

A decorative graphic consisting of a thin gray vertical bar and a wider gray vertical bar on the left side of the slide, and a gray square on the right side.

Navigation

Before Using the Navigation System

WARNING

Read this manual first

Read this manual carefully before using the navigation system. We are not liable for accidents or other problems resulting from failure to follow the instructions in this manual.

Follow all road signs and traffic rules

When driving using guidance from the navigation system, be sure to follow the actual road signs and traffic regulations. If road signs and traffic regulations are changed, the data on the SD card may be out of date. Also, the data on the map SD card does not take into account factors such as weather, time zones, and occurrences such as differences in congestion situations and temporary road closures due to construction work. Always give precedence to road signs and traffic rules over instructions from the navigation system.

Not following the road signs and traffic rules could lead to injury or traffic violations.

Drive safely

- Before following instructions from the navigation system (changing lanes and so on), check that you can carry out the maneuver safely given the current traffic conditions. Always put safety first before following any instructions.
- Do not watch the navigation screen while driving. Ignoring surrounding traffic could lead to an accident. If you need to look at the screen while driving, make sure you only glance at the screen.
- You should stop the vehicle in a safe place before operating the navigation system. For safety's sake, some of the navigation system's buttons and functions cannot be used unless the vehicle is stationary.
- When you need to look at the navigation screen, do so for the shortest time possible. Looking away from the road for too long could lead to an accident.
- Make sure this system is installed in a position legally allowed in the country where you intend to use it. Some countries and regions do not allow video screens to be installed within the driver's line of sight.

- If you stare at the display too much or operate the buttons of the system while driving, the navigation system could distract your attention from the current traffic conditions. Be sure to enter as much information as possible into the system before departing. Also, be sure to stop your vehicle in a safe place if you need to enter information.
- Buttons on the touch screen that cannot be used have their colors toned down.
Operating the navigation system while driving could cause your attention to be distracted from the current traffic conditions. This could result in a severe or fatal accident. Be sure to follow all the operation descriptions and safety instructions given in this manual.

Volume

- Keep the system's volume level low enough for you to be able to hear outside sounds while driving. Otherwise, you may not be able to react appropriately to traffic conditions, resulting in an accident.

CAUTION

Foreign objects

Do not place foreign objects, such as fingers, into the disc insertion slot.
If foreign objects enter the system's main unit, it could lead to electric shock or fire. If the system emits smoke or an unusual smell, stop using it immediately and contact the nearest SUBARU dealer.

Never disassemble or modify the system

Never disassemble or modify any parts of the system. Doing so may lead to a fire, an electric shock, or some other type of accident.

Do not continue using the navigation system if it malfunctions

If the system shows any sign of malfunctioning (for example, the monitor displays no picture), stop using it immediately and contact the nearest SUBARU dealer.

Continuing to use the system could lead to a fire, an electric shock, or some other type of accident.

If the navigation system gets contaminated, or emits smoke or an odd smell, stop using it

If a foreign object gets inside the system, liquid is spilled onto the system, or the system emits smoke or an unusual smell, stop using it immediately and contact the nearest SUBARU dealer. Continuing to use the system could lead to a fire, an electric shock, or some other type of accident.

NOTE

In the interest of safety, the use of some functions may be unavailable while driving. Buttons on the touch screen that cannot be used have their colors toned down.

Information on Warnings and Safety

The navigation system uses a built-in GPS receiver to guide you to your destination. This software does not transmit the GPS position of your vehicle, and cannot be used to track the vehicle.

Do not look at the navigation screen if it is not safe to do so. If the driver is operating the navigation system, we strongly recommend operating the software before you start driving. Program the route before leaving, and stop your vehicle in a safe place if you need to change the route.

Follow all road signs and road conditions. If you deviate from the recommended route while driving, the software updates the route according to your current position.

For details, see “End-user License Agreement” on Page 176.

Read First

This software is designed for optimum performance when used for car navigation. It does not need a stylus for operation. You can easily use buttons and maps on the screen by touching them with the tip of your finger.

When you start the navigation software for the first time, the initial settings screen is automatically displayed. Follow the steps below to use the initial settings screen.

- 1 Confirm the end-user license agreement. Touch **Accept** (Accept) to continue.



- 2 The Setup Wizard starts. Touch **Next** (Next) to continue.

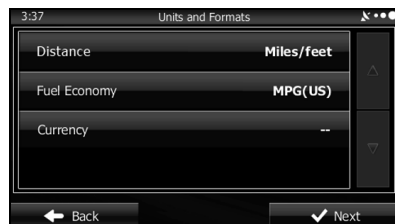


- 3 Select the language and narrator you want to use for voice guidance messages. Touch **Next** (Next) to continue. You can change this at any time from Sound and Warnings settings. (See Page 164.)

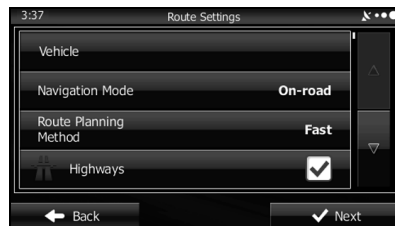


- When the TTS Voice mode is selected, the voice control navigation and street guidance can be used. These functions cannot be used when the Natural Voice mode is selected.

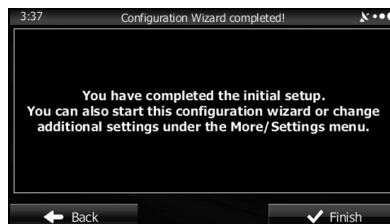
- 4 Change the unit settings if necessary. Touch **Next** (Next) to continue. You can change this at any time from Units and Formats. (See Page 173.)



- 5 Change the initial route plan settings if necessary. Touch **Next** (Next) to continue. You can change this at any time from Route Settings. (See Page 169.)



- 6 This completes the initial setup. Touch **Finish** (Finish) to continue. After setting up, you can run the Setup Wizard at any time from the Settings menu. (See Page 163.)



After the initial setup, the navigation menu is displayed and you can start using the software.

Navigation Menu

When you touch **Menu** (Menu) on the navigation screen or the multi screen, the navigation menu (main menu) appears. You can access all of the software's functions from this menu.



The following options are available.

- Touch **Find** (Find), and then select which method to use to reach your destination by entering the address, selecting a favorite spot, selecting a position on the map, or selecting from the destination list. You can also select recent destinations from Smart History, or enter coordinates into the system.
- When you touch **My Route** (My Route), each point on the route, or a path log on the map is displayed for the entire journey. You can also perform various route related functions such as editing or Canceling the route, setting the route departure point, selecting a different route, avoiding a part of the route, performing a navigation simulation, or adding an entry to the destination list.
- When you touch **More** (More), you can set the navigation software operating method, start the tutorial, show a demo route simulation, or start various other auxiliary applications.
- Touch **Show Map** (Show Map) to start navigation on the map. The button itself shows the current position, recommended route, and reduces the surrounding area to display on the map being used. Press the button to enlarge the map to full-screen size.
- Touch  to open the Traffic Summary screen.

On-screen Buttons and Other buttons

To use this software, you normally have to touch the buttons on the touch screen.

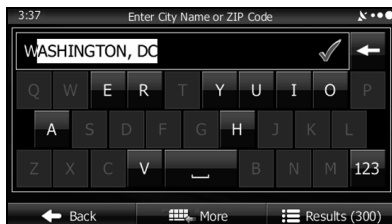
You only need to confirm selections and changes when the application needs to be restarted, when an important setting is changed, or when a section of the user's data/settings may be lost. Other than that, when using the button selected content is saved immediately without requiring confirmation, and the new setting is applied.

Type	Example	Explanation	Use
Button		Touch to start a function, open a new screen, and save settings.	Touch once.
Button with numbers displayed		Current fields or settings are displayed on the button. Touch this button to change the value. After changing, the value you enter is displayed on the button.	Touch once.
Icon		Displays status information.	Some icons can also be used as buttons. Touch once.
List		If there are multiple options available, the selection items are displayed as a list.	To view the list, touch and slide your finger up and down. Because the scrolling speed changes depending on the speed of the slide, you can reach the end of the list, with just a small, quick flick of your finger. Also, when using the   buttons, touch the number you want to move through the pages.
Radio button		When there are only a few selection items, you can use the radio buttons instead of a list. Where only one value can be selected.	Touch this button to select the new value.

Type	Example	Explanation	Use
Check Box	☒ ☐	If there are only two choices available, you can enable or disable the function by entering a check mark.	Touch to turn the switch On or Off.
Virtual keyboard		Keyboard for entering text and numbers.	Each key represents a button on the touch screen.

Using the Keyboard

This navigation system has been designed to keep the entry of text and numbers to a minimum. However, you can enter text and numbers when necessary by using the full-screen keyboard. You can select the keyboard layout from English, Greek characters, numbers, and so on.



Operation	Explanation
Button keyboard layouts, for example from English to Greek	Touch More (More) and select another keyboard layout from the list.
Correcting entered values using the keyboard	Touch ← to delete characters entered by mistake. Touch & hold (touch the screen and do not remove your finger) to delete a part or all of the entered text.
Enter a space between first names and family names, or between address display names	Press the ␣ button at the bottom center of the screen.

Operation	Explanation
Entering numbers and symbols	Touch 123 to switch to the numbers keyboard. Touch QWERT to switch to the symbols keyboard.
Confirm keyboard input (confirm the displayed search results)	Touch ✓ .
Set keyboard input (confirm search results list)	Touch Results (Results).
Set keyboard input (save entry)	Touch Done (Done).
Cancel keyboard input (return to main screen)	Touch Back (Back).

NOTE

Even if a candidate term is displayed when the keyboard screen appears, you can touch the keyboard and input a new term directly.

Screen Operations Other than Single Touch

Normally, you only need to touch the screen once (single touch) to perform an operation. However, you can make use of convenient functions by combining different touch operations on the touch screen. The following touch combinations are available.

Operation	How to
Screen Touch & Hold	You can call additional functions by performing touch & hold (touch the screen and do not remove your finger) with the next button. - On the List and Menu screens, touch & hold  (Back) to display the Map screen. - On the Map screen, touch & hold any of the , , , , , or  buttons to rotate, tilt, enlarge, or reduce the map. - On the keyboard screen, touch & hold  to quickly delete multiple characters. - On long lists, touch & hold  or  to scroll through the page.
Gesturing (drag & drop)	You may need to drag & drop in the following cases. - Scrolling a list: To view the list, touch and slide your finger up and down. Because the scrolling speed changes depending on the speed of the slide, you can reach the end of the list, with just a small, quick flick of your finger. - Moving the map in map display mode: Touch the map and move it in the direction you want.

Map Screen

Navigating on the Map

In the navigation menu startup screen, the currently active map is reduced and displayed in **Show Map** (Show Map).



To enlarge the map, touch **Show Map** (Show Map) to open the Map screen.

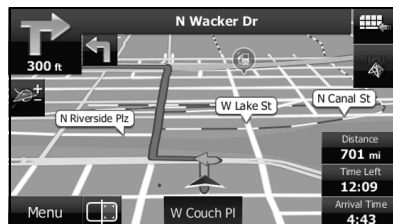
This map shows the current position (shown as the vehicle marked as a blue arrow), recommended routes (orange lines), and the immediate surrounding area.

When GPS positioning is not active, the vehicle marker is clear. The latest confirmed position is displayed.

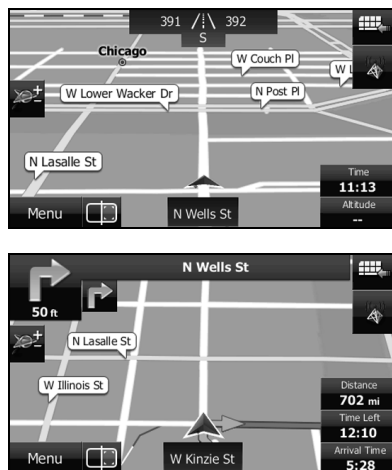
Colored spots are displayed on the circle around the satellite icon in the top left corner. The more spots there are on the circle, the higher the accuracy of the GPS positioning.



When GPS positioning is active, the vehicle marker is displayed in full-color, and the current position is shown.



Buttons and data fields are displayed on the screen, and you can perform navigation. During navigation, route information is displayed on the screen.



The data fields display differs when no destination is set during navigation (no orange line is displayed). When performing navigation, the number of the data fields displayed on the screen is three. Up to two data fields can be displayed when no destination is set (no orange line is displayed).

Default data fields when no destination is set while driving

Field	Explanation
Altitude (Altitude)	Shows the altitude of the road currently being driven and measured by the GPS receiver. (There may be a maximum ± 50 m of differences depending on the reception status of GPS satellites.)
Time (Time)	Displays the current time corrected using the time zone offset. Accurate time is acquired from the GPS satellite, while time zone information is acquired from the map. You can also make manual settings in Units and Formats. (Only for the Menu screen, the current time is shown in the bottom left corner of the screen.)

Default data fields when performing navigation (you can change the values in fields by using touch & hold):

Field	Explanation
Distance (Distance)*	Displays the distance on the route to the final destination.
Time Left (Time Left)	Displays the time left until arrival at the final destination based on the information available for the remainder of the journey. This is calculated according to prior traffic data or traffic patterns when ever available. If a TMC receiver is connected to the main unit and is receiving data, any traffic jams along the route are also factored into calculations. However, the accuracy of these calculations varies greatly.

Field	Explanation
Arrival Time (Arrival Time)*	Displays the estimated arrival time at the final destination based on the information available for the remainder of the journey. This is calculated according to prior traffic data or traffic patterns when ever available. If a TMC receiver is connected to the main unit and is receiving data, any traffic jams along the route are also factored into calculations. However, the accuracy of these calculations varies greatly.
Time (Time)	Displays the current time corrected using the time zone offset. Accurate time is acquired from the GPS satellite, while time zone information is acquired from the map. You can also make manual settings in Units and Formats. (Only for the Menu screen, the current time is shown in the bottom left corner of the screen.)
Altitude (Altitude)	Shows the altitude of the road currently being driven and measured by the GPS receiver. (There may be a maximum ± 50 m of differences depending on the reception status of GPS satellites.)

* Time and distance to the destination cannot be displayed when your vehicle is located in the place other than roads and Highways. After the vehicle returns to a road or Highway, time and distance are displayed.

Position Marker

■ Vehicle Marker and Lock-on-Road

If GPS positioning is available, the current position is shown using the vehicle marker.

- When any vehicle is selected, the vehicle marker may not display an accurate GPS position and direction of travel. If there is a road nearby, the GPS positioning error is corrected based on the shortest distance to the road to, and the direction of the icon is adjusted to match the direction of the road.

■ Selected map location (cursor)

Use one of the following methods to mark a map location.

- Touch the map during navigation.
- Touch the map when the destination you want is displayed in the search results.
- Touch the map in "Map Search". (See Page 134.)

After selecting a map location, a cursor is displayed at the point selected on the map. The cursor is displayed as a red point () and can be checked at all zoom levels.

You can use the cursor's position as the route's destination, search for locations around the cursor, and save the position in the destination list.

Map Objects

■ Direction display

If no destination is set while driving, the direction is shown on the screen in heads-up display.

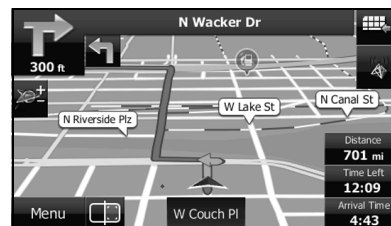
Each letter indicates a direction: N (North), NE (North East), E (East), SE (South East), S (South), SW (South West), W (West), and NW (North West). However, this is not displayed while driving on an expressway.

Direction display



■ Advanced confirmation of route changes and next road

During navigation, information on the next route event (the next change in the route), as well as the next city or town, is displayed at the top of the Map screen.



The next change in the route is displayed in the field at the top left corner of the screen. Displays the type of route event (right or left turn, roundabout, expressway interchange, and so on) and the distance from the current position.

When the next route change approaches, the type of route change is displayed as a small icon next to the main icon. Only the next route change is displayed.



Most of these icons can be understood intuitively. The following table shows the most frequently displayed route events. The symbol design is the same in each field.

Icon	Explanation	Icon	Explanation
	Turn left		Turn right
	U-turn		Keep right at the fork in the road.
	Turn left & sharp curve.		Turn right & sharp curve.
	Stay in the left lane.		Stay in the right lane.
	Go straight ahead at the intersection.		Turn left at the T junction.
	Go left at the roundabout. Third exit (next change in direction).		Join the roundabout (the route change after the next change).
	Join the expressway.		Leave the expressway.
	Board the ferry.		Disembark from the ferry.
	You are half way to your destination.		You have arrived at your destination.

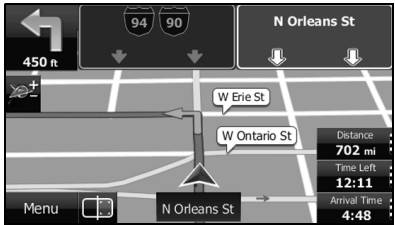
■ Lane information & signs

When using route guidance on roads with two or more lanes, it is important that you drive in the correct lane. When lane information is available on the Map, the lane and direction are indicated below the map with small arrows. The lane that you should drive in is highlighted.



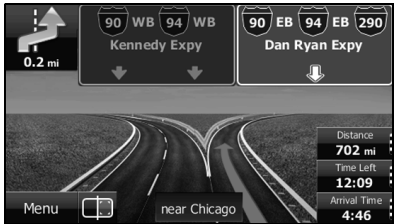
When detailed information is available, the arrows are removed and signs are displayed. Signs are displayed at the top of the map. The color and design of the signs is the same as signs actually found at the side of the road or overhead signs. These signs show the district and the route number for the lane direction.

All signs are displayed in the same manner even when driving without using the navigation system. During navigation, only the sign that shows the lane in which you should drive is highlighted, the other signs are toned down.



■ Junction display

When approaching an expressway exit or a complicated intersection, the map switches to a 3D display if the necessary information can be displayed. An arrow indicates the lane in which you should drive. Signs are also displayed if the information is available.



■ Types of 3D Objects

The following 3D object types are supported.

Type	Explanation
3D Topography	On a 2D map, the changes in topography or undulations in the ground are displayed; and when using 3D this data is used to create a route map image during navigation. On a 3D map, hills and mountains are displayed in the background, whilst on a 2D map they are expressed using changes in color and shading.
Elevated Roads	Complicated intersections and three dimensional road objects (such as overpasses or overhead bridges) are displayed in 3D.

■ Items displayed during route navigation

The route is displayed using the following methods.

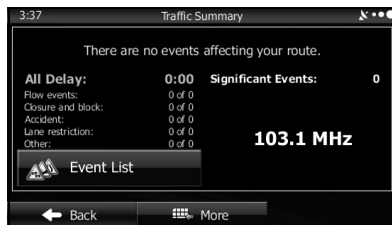
Symbol	Name	Explanation
	Current GPS position and departure point	Current location of the user displayed on the map When you select a vehicle in route search, and if there is a road nearby, the position of the icon is corrected based on the nearest road. When the GPS position is available, the route usually starts from the current position. If there is no GPS position available, the last confirmed available GPS position is used as the departure point.
	Waypoint (midway point)	The midway point target point before arrival at the target destination.
	Destination (final point)	The final destination on the route.
	Route color	Displays using colors that are easy to understand and that stand out in daytime or night time color mode.
	Roads excluded from navigation	Select whether or not to exclude a road from navigation. (See Page 169.)
	Roads affected by traffic conditions	Any section of the road may be affected depending on the received traffic conditions. Roads affected by traffic conditions are displayed in a different color, and a small icon representing the type of traffic condition is displayed at the side of the route.

■ Traffic condition

Road sections affected by traffic conditions are displayed in a different color on the map, and a small icon representing the type of traffic condition is displayed above the road. You can change the items displayed by setting the Traffic. (See Page 168.)



To check traffic conditions outside the display, touch . The Traffic Summary screen is displayed.



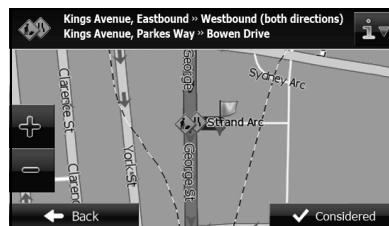
Touch **Event List** (Event List) to open the following Event List screen.



On this screen, you can select one entry from the list to view list of the traffic conditions for that section of the road.



On this screen, you can select one entry from the list to view full details of the traffic conditions for that section of the road.



Touch **i** to open another screen displaying information on the selected map position.

■ Highway Services

When driving on the expressway, this displays information on the next three highway service areas. By default, gas stations, restaurants, rest rooms, and mechanics are displayed. You can change the items displayed by setting the Visual Guidance. (See Page 172.)

When information is available for the highway service area,  is displayed.

Touch  to display the highway service area information (distance, time needed, and services provided).

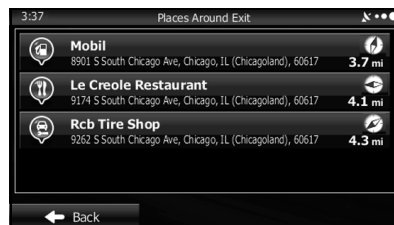


When you touch highway service information, a list is displayed.



Highway service area information

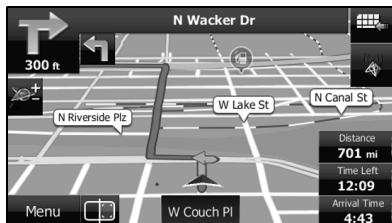
Select one from the list to display more details. You can check it on the map and set it as a waypoint or as a destination.



■ Smart zoom display

When the navigation screen is set to auto zoom, this function is turned on.

Touch  to display the control button.



Touch  to enlarge the display, and touch  to reduce the display. When expanding or reducing, the smart zoom function is switched off, and  is displayed. Touch  to turn on the smart zoom function.

If no operations are made for about six seconds, the previous screen is displayed.

<Smart Zoom On>

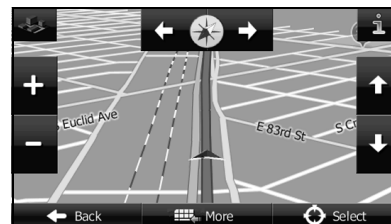


<Smart Zoom Off>



■ Map operations

You can touch a position on the map, and then check that position during navigation. The map's current position tracking function stops (the car marker (a blue arrow by default) is not fixed in position on the screen), and the control buttons are displayed allowing you to change the map display.



Operation	Button	Explanation
Using drag & drop to move the map	No buttons	You can move the map in any direction you want by touching and holding the map, and moving your finger in the direction you want to move the map.
Zoom in/Zoom out		Change the area of the map displayed on the screen. Road names and other characters are always displayed in the correct direction and at the same font size, and you only need to check necessary roads and icons. In 3D mode, the map cannot be reduced endlessly. The map changes to 2D mode if you zoom out beyond the defined amount. The display changes slowly if you tap the button, or changes in a smooth, continuous motion if you touch & hold the button.
Tilt up/Tilt down		In 3D mode, you can change the vertical display angle of the map. The display changes slowly if you tap the button, or changes in a smooth, continuous motion if you touch & hold the button.

Operation	Button	Explanation
Rotate left/Rotate right		Changes the horizontal display angle of the map. The display changes slowly if you tap the button, or changes in a smooth, continuous motion if you touch & hold the button.
2D or 3D display		Touch this button to switch the map display mode between a 3D bird's-eye view and a flat 2D view.
Compass in 2D or 3D map display mode		The compass direction indicates North. Touch this button to change to a North Up display, and then touch it again to return to the direction previously displayed.
Point information		Touch this button to open another screen displaying information on the selected map position (cursor).
Return to normal navigation	Back (Back)	Touch this button to return the map to the current GPS position. Auto map rotation is also enabled. The map operation buttons are hidden, and navigation restarts.
Additional functions	More (More)	Touch this button to display the additional functions list. For example, saving the cursor to the destination list, and searching the area around the cursor.
Selecting a destination	Select (Select)	Touch this button to select the cursor as a new destination. The route is researched automatically.

Quick Menu

Frequently used buttons and functions used during navigation are all displayed on the Quick menu. Touch  to open directly from the Map screen.



The menu closes if no operations are performed for a few seconds, or if you touch .

Touch another button to open a new screen displaying the option you selected.

You can assign functions to shortcuts from the Menu screen. See the following items for more details.

The following explains the buttons and functions displayed on this screen.

Button	Explanation	Primary Location
	Touch this button to return to the Map screen.	N/A

Button	Explanation	Primary Location
Guidance volume slider	Adjusts the guidance volume. This adjusts all volumes in the guidance volume adjustment application.	More / Settings / Sound and Warnings / Volume / Master slider (See Page 164.)
Quick Place Search (Quick Place Search)	Touch this button to search around a point on the route, or your current position (when a route search has not been performed).	Find / Find Places / Quick Search (See Page 120.)
Favorites (Favorites)	Touch this button to select an item from the destination list.	Find / Favorite (See Page 135.)
History (History)	Touch this button to select previously set destinations from the history list.	Find / History (See Page 137.)
Create Route (Create Route)/ Edit Route (Edit Route)	Touch this button to change the route.	My Route / Create (Edit) Route (See Page 140.)
Route Settings (Route Settings)	Touch this button to change route related settings.	More / Settings / Route Settings (See Page 169.)

Button	Explanation	Primary Location
Map Settings (Map Settings)	Touch this button to change map related settings.	More / Settings / Map Settings (See Page 170.)
Where Am I? (Where Am I?)	Touch this button to display a special screen with a button that searches for information on your current position and determines the nearest emergency assistance or road-side assistance. See the following section for more details.	N/A
Cancel Route (Cancel Route)	Touch this button to clear the route and cancel navigation. This button is available when only one destination is set.	My Route / Cancel Route (See Page 148.)
Remove Next Waypoint (Remove Next Waypoint)	Touch this button to remove the next waypoint from the route. When multiple destinations are set, the previous waypoint is displayed. This button is available when only two or more destinations are set.	N/A

In Settings, you can change the Quick menu buttons to use other functions. (See Page 166.) The following functions are available.

Button	Explanation	Primary Location
Overview (Overview)	Reduces the scale of the 2D map to display the entire route.	My Route / Overview (See Page 141.)
Visual Guidance (Visual Guidance)	Opens the Visual Guidance settings screen.	More / Settings / Visual Guidance (See Page 172.)
Traffic (Traffic)	Opens the Traffic Summary screen.	Touch the navigation menu or the Map screen's road icons.
Avoid (Avoid)	Avoids part of the recommended route.	My Route / Avoidances
Trip Monitor (Trip Monitor)	Opens the trip monitor screen from which you can manage your saved trip logs and path logs.	More / Trip Monitor (See Page 162.)
Itinerary (Itinerary)	Opens a list of changes in the route (distances).	Touch the top of the Map screen during navigation.
Save Route (Save Route)	The route being navigated is saved to be used later.	My Route / More / Save Route

Button	Explanation	Primary Location
Load Route (Load Route)	Changes to a saved, previously navigated route.	My Route / More / Load Route
Find Places (Find Places)	Searches for your favorite spots using a variety of methods.	Find / Find Places (See Page 120.)
Simulate Navigation (Simulate Navigation)	The Map screen opens and a simulation of the route being navigated starts.	My Route / More / Simulate Navigation (See Page 153.)
GPS Info (GPS Info)	Opens the GPS information screen showing satellite positions and signal strength.	Touch the top of the Map screen if there is no GPS reception.

Check Current Position (Where Am I?)

You can open this function from the Quick menu. The button on this screen searches for information on the current position (if there is no GPS reception it uses the last confirmed position) and recommended spots in the area, and displays them on the screen.



This screen provides the following information.

-   Latitude/Longitude (Current positional coordinates use the WGS84 land survey system)
-  Altitude (Advanced information acquired by the GPS receiver - may not be accurate)
-  Address of current position on left
-  Address of current position on right
- The latest location information is displayed in the center of the screen, or the time after the latest information was acquired is displayed.

- A detailed address (when available) for the current position is displayed at the bottom of the screen.

The following functions are also available on this screen.

Touch **More** (More) to save the current position in the destination list.

You can also search for nearby help around the current position. Touch **Help Nearby** (Help Nearby) to open a new screen and perform a quick search.



You can search for the following services around your current position or the latest confirmed position.

- **Car Repair Around Here** (Car Repair Around Here):
Vehicle repairs / Road-side assistance services
- **Health Around Here** (Health Around Here):
Hospitals / Emergency services
- **Police Around Here** (Police Around Here):
Police stations
- **Gas Station Around Here** (Gas Station Around Here):
Gas stations

Touch a button and then select an item from the list to display the route navigation to the location.

Navigation

You can select one of the following methods to perform navigation.

- To start navigation right away, select a destination and set the route for standard navigation.
- You can search for a route regardless of the current GPS position (or if there is no GPS reception). To do this, turn off the GPS receiver, touch the flag icon for the current position, and set a new departure point using My Route / Edit Route.

You can create a route plan even if you have multiple destinations. Select the destination. When selecting the next destination, if it is added to the route currently being created, a multiple destination route is created. There is no limit on the number of destinations you can set.

Select route destination

You can use any of the following methods to select the destination.

- Enter all or part of the address. For example: Instead of entering the address, you can just enter the name of the street or intersection.
- Enter the address by using the ZIP Code. (See Page 117.) This allows you to search for the street name quickly, even if you have not selected a district name.
- Use one of your pre-entered favorite spots as the destination. (See Page 120.)
- Use the Find on Map function to select a destination. (See Page 134.)
- Use the list of previously saved destinations. (See Page 135.)
- You can select a destination from the history of previous destinations. (See pages 137, 138.)

Enter all or part of the address



Entering part of the address is the quickest way to select the destination for your route.

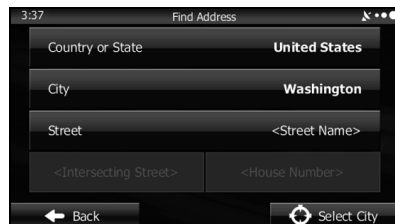
You can specify the address by entering the following items on the same screen.

- An accurate address, such as the house number
- City/town center
- Intersection
- Street name
- Enter any of the items above, and then search using the ZIP Code (See Page 117.)

■ Entering an address

Follow the steps below to enter an address as the destination.

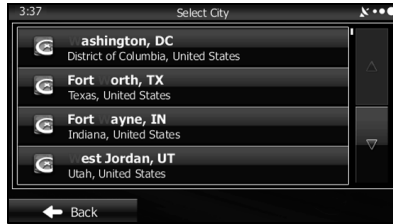
- 1 If the Map screen is displayed, touch **Menu** (Menu) to return to the navigation menu.
- 2 On the navigation menu, touch **Find** (Find).
- 3 Touch **Find Address** (Find Address).
- 4 By default, the country and district for your current position are displayed. If necessary, touch **Country or State** (Country or State) and then enter the first few letters of the country name. You can then select the country from the list displayed.



5 If necessary, select the city/town again.

- (1) Touch **City** (City).
- (2) Use the keyboard to enter the start of the city/town.
 - For the keyboard, see “Using the Keyboard” on Page 88.
- (3) Follow the steps below to find the city/town you entered.
 - The most likely city/town names are displayed in the entry field. Touch **✓** to use the name displayed.
 - If the name you want is not automatically entered, enter a few more letters from the name until it is displayed in the list (touch **Results** (Results) to open the results list before the search results are automatically displayed). Select the city/town from the list.





6 Enter the street name as follows.

- (1) Touch **Street** (Street).
- (2) Use the keyboard to enter the start of the street name.
 - For the keyboard, see “Using the Keyboard” on Page 88.
- (3) Find the street name to enter as follows.
 - The most likely street name is displayed in the entry field. Touch  to use the name displayed.

- If the name you want is not automatically entered, enter a few more letters from the name until it is displayed in the list (touch **Results** (Results) to open the results list before the search results are automatically displayed). Select the street from the list.



7 Enter the house number as follows.

- (1) Touch **House Number** (House Number).
- (2) Enter the house number with the keyboard. (Enter the number(s), and then touch **QWE**).
- For the keyboard, see “Using the Keyboard” on Page 88.
- (3) Touch **Done** (Done) to finish entering the address. (If the house number is not found, the center of the street is selected as the destination.)



- 8 The map is displayed in full-screen mode with the selected point at the center. If necessary, you can touch another point on the map to change the destination. The cursor () is displayed at the new position. Touch **Next** (Next) to set the destination, or touch **Back** (Back) to select another destination.



- 9 After a summary of the route plan is displayed, the entire route is displayed on the map. The route is researched automatically. Touch **More** (More) to change the route plan, or touch **Go!** (Go!) to start navigation. (When the countdown is displayed in the “Go!” button, guidance begins automatically after 10 seconds even if you do not touch the button.)



NOTE

If the destination will be used frequently, you can save it to the destination list as follows before touching **Next** (Next). Touch **More** (More), and then touch **Add to Favorites** (Add to Favorites). Enter a name for the destination you want to save, and then touch **Done** (Done). You are automatically returned to the map with the destination set. Start driving following the navigation.

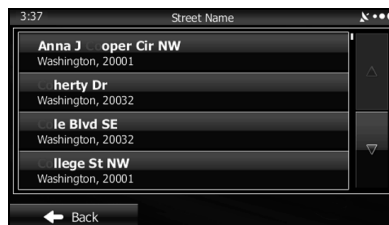
■ Entering the center of the street as the destination

If you do not know the house number, you can navigate by setting the center of the street as the destination.

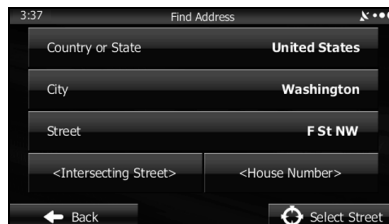
- 1 If the Map screen is displayed, touch **Menu** (Menu) to return to the navigation menu.
- 2 On the navigation menu, touch **Find** (Find).
- 3 Touch **Find Address** (Find Address).
- 4 If necessary, change the country and district as mentioned above. (See Page 106.)

5 Enter the street name as follows.

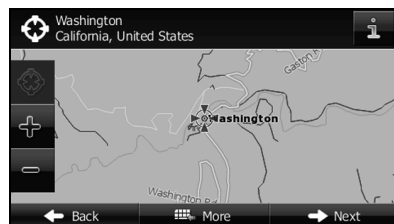
- (1) Touch **Street** (Street).
- (2) Use the keyboard to enter the start of the street name.
 - For the keyboard, see “Using the Keyboard” on Page 88.
- (3) Find the street name to enter as follows.
 - The most likely street name is displayed in the entry field. Touch  to use the name displayed.
 - If the name you want is not automatically entered, enter a few more letters from the name until it is displayed in the list (touch **Results** (Results) to open the results list before the search results are automatically displayed). Select the street from the list.



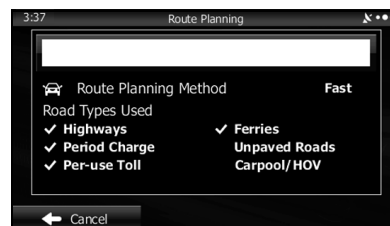
- 6 Touch **Select Street** (Select Street) without entering an address. The center of the street is selected as the destination.



- 7 The map is displayed in full-screen mode with the selected point at the center. If necessary, you can touch another point on the map to change the destination. The cursor (👆) is displayed at the new position. Touch **Next** (Next) to set the destination, or touch **Back** (Back) to select another destination.



- 8 After a summary of the route plan is displayed, the entire route is displayed on the map. The route is researched automatically. Touch **More** (More) to change the route plan, or touch **Go!** (Go!) to start navigation. (When the countdown is displayed in the "Go!" button, guidance begins automatically after 10 seconds even if you do not touch the button.)

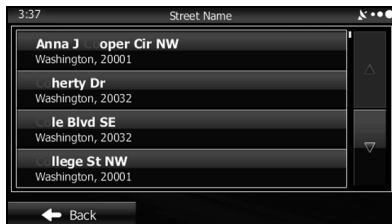


■ Selecting an intersection as the destination

Follow the steps below to enter an intersection as the destination.

- 1 If the Map screen is displayed, touch **Menu** (Menu) to return to the navigation menu.
- 2 On the navigation menu, touch **Find** (Find).
- 3 Touch **Find Address** (Find Address).
- 4 If necessary, change the country and district as mentioned above. (See Page 106.)
- 5 Enter the street name as follows.
 - (1) Touch **Street** (Street).
 - (2) Use the keyboard to enter the start of the street name.
 - For the keyboard, see “Using the Keyboard” on Page 88.
 - (3) Find the street name to enter as follows.
 - The most likely street name is displayed in the entry field. Touch  to use the name displayed.

- If the name you want is not automatically entered, enter a few more letters from the name until it is displayed in the list (touch **Results** (Results) to open the results list before the search results are automatically displayed). Select the street from the list.



6 Enter the intersection name as follows.

(1) Touch **Intersecting Street** (Intersecting Street).



- If there are only a few roads at the intersection, the list is displayed immediately.
- If the road is a long way off, the keyboard screen is displayed. Use the keyboard to enter the start of the intersection name. (For the keyboard, see “Using the Keyboard” on Page 88.) A list is automatically displayed when the entered road name matches and can be displayed on one screen. Select from the list.



- 7 The map is displayed in full-screen mode with the selected point at the center. If necessary, you can touch another point on the map to change the destination. The cursor (👆) is displayed at the new position. Touch **Next** (Next) to set the destination, or touch **Back** (Back) to select another destination.



- 8 After a summary of the route plan is displayed, the entire route is displayed on the map. The route is researched automatically. Touch **More** (More) to change the route plan, or touch **Go!** (Go!) to start navigation. (When the countdown is displayed in the “Go!” button, guidance begins automatically after 10 seconds even if you do not touch the button.)

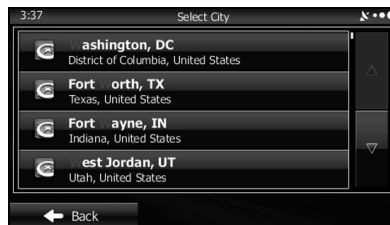


■ Selecting a city/town center as the destination

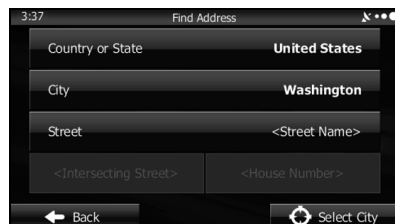
The center of the city/town is not the geographical center of the city/town, but a location set by the cartographer. In towns and villages, this is usually the most important intersection, while in larger cities it is selected from multiple important intersections.

- 1 If the Map screen is displayed, touch **Menu** (Menu) to return to the navigation menu.
- 2 On the navigation menu, touch **Find** (Find).
- 3 Touch **Find Address** (Find Address).
- 4 If necessary, change the country as mentioned above. (See Page 106.)
- 5 Select the city/town as follows.
 - (1) Touch **City** (City).
 - (2) Use the keyboard to enter the start of the city/town.
 - For the keyboard, see “Using the Keyboard” on Page 88.
 - (3) Follow the steps below to find the city/town you entered.
 - The most likely city/town names are displayed in the entry field. Touch  to use the name displayed.

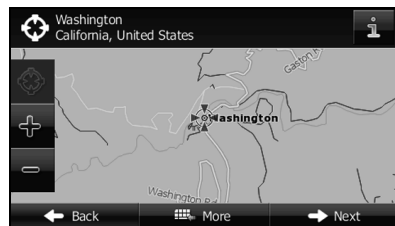
- If the name you want is not automatically entered, enter a few more letters from the name until it is displayed in the list (touch **Results** (Results) to open the results list before the search results are automatically displayed). Select the city/town from the list.



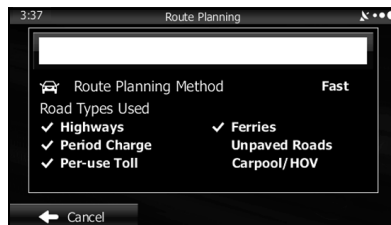
- 6 Touch **Select City** (Select City) without entering the street name. Set the city/town center displayed as the route's destination.



- 7 The map is displayed in full-screen mode with the selected point at the center. If necessary, you can touch another point on the map to change the destination. The cursor (📍) is displayed at the new position. Touch **Next** (Next) to set the destination, or touch **Back** (Back) to select another destination.



- 8 After a summary of the route plan is displayed, the entire route is displayed on the map. The route is researched automatically. Touch **More** (More) to change the route plan, or touch **Go!** (Go!) to start navigation. (When the countdown is displayed in the "Go!" button, guidance begins automatically after 10 seconds even if you do not touch the button.)



■ Using a ZIP Code

By entering the ZIP Code, you can perform the address search mentioned above, even if you do not know the district name. The following is an example of entering an accurate address.

- 1 If the Map screen is displayed, touch **Menu** (Menu) to return to the navigation menu.
- 2 On the navigation menu, touch **Find** (Find).
- 3 Touch **Find Address** (Find Address).
- 4 If necessary, change the country as mentioned above. (See Page 106.)
- 5 Enter the city/town by using the ZIP Code.
 - (1) Touch **City** (City).
 - (2) Touch **123** to open the number pad.
 - (3) Start entering the ZIP Code.
 - (4) Follow the steps below to find the city/town you entered.
 - The most likely ZIP Code is displayed in the entry field. Touch  to use the name displayed.

- If the ZIP Code you want to enter is not displayed, touch **Results** (Results) to open the search results list. Select the ZIP Code from the list.



- 6 Enter the street name as follows.
 - (1) Touch **Street** (Street).
 - (2) Use the keyboard to enter the start of the street name.
 - For the keyboard, see "Using the Keyboard" on Page 88.
 - (3) Find the street name to enter as follows.
 - The most likely street name is displayed in the entry field. Touch  to use the name displayed.

- If the name you want is not automatically entered, enter a few more letters from the name until it is displayed in the list (touch **Results** (Results) to open the results list before the search results are automatically displayed). Select the street from the list.



7 Enter the house number as follows.

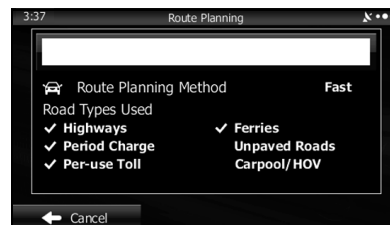
- Touch **House Number** (House Number).
- Enter the house number with the keyboard. (Enter the number(s), and then touch **QWE**.)
- For the keyboard, see "Using the Keyboard" on Page 88.
- Touch **Done** (Done) to finish entering the address. (If the house number is not found, the center of the street is selected as the destination.)



- 8 The map is displayed in full-screen mode with the selected point at the center. If necessary, you can touch another point on the map to change the destination. The cursor (👆) is displayed at the new position. Touch **Next** (Next) to set the destination, or touch **Back** (Back) to select another destination.



- 9 After a summary of the route plan is displayed, the entire route is displayed on the map. The route is researched automatically. Touch **More** (More) to change the route plan, or touch **Go!** (Go!) to start navigation. (When the countdown is displayed in the "Go!" button, guidance begins automatically after 10 seconds even if you do not touch the button.)



■ Hints for quick address entry

- When entering a city/town name or a street name:
 - Only characters that can be displayed in the search results are shown on the keyboard. Other characters are grayed out.
 - While entering text, the most likely search result is always displayed in the text entry field. If the search result is correct, touch  to select it.
 - If you touch **Results** (Results) after entering two characters, items that contain those two characters are displayed in the list.
- You can find intersections easily by using the following method.
 - First, when searching for an uncommon road name, you only need to enter the first few letters to acquire the name.
 - When one street name is shorter than the other, the shorter one is searched for first. This shortens the search time for the road with the longer name.
- You can search by road category as well as road name. When the same word is included in names such as the street, road, and main street, by entering the first character for the type of road, you can quickly bring up the search results. For example, if you are searching for "Pine Avenue" and you enter "Pi A", roads such as "Pine Street" or "Pickwick Road" are not displayed.
- You can also search by using the ZIP Code. If the ZIP Code only contains a few characters, you can search more quickly than when entering the city/town name.

Selecting the destination from your favorite spots (POI: Point Of Interest)

.....

You can select your destination from the favorite spots that have already been saved in the software.

You can use the same screen to find a spot using the following various methods.

- Using the quick search function, you can quickly search for spots around the name.
- Using the preset search function, you can search for the most popular spots with a few quick touches.
- Search using spot categories.
- Search using spot names.

You can also search for special services from the "Where Am I?" screen.

■ Performing a quick search for favorite spots

Using the quick search function, you can quickly search for spots by name. You can use the following search items.

- Around the recommended route (when a recommended route is available)
- Around the current location (when no destination is set)

1 Follow the steps below to start a quick search.

- If the Map screen is displayed, touch  and then touch **Quick Place Search** (Quick Place Search). (Only when registered to the Quick Menu.)
- If the Map screen is displayed, touch **Menu** (Menu), **Find** (Find), **Find Places** (Find Places), and then touch **Quick Search Along Route** (Quick Search Along Route).

2 Use the keyboard to enter the start of the spot name.

- For the keyboard, see “Using the Keyboard” on Page 88.



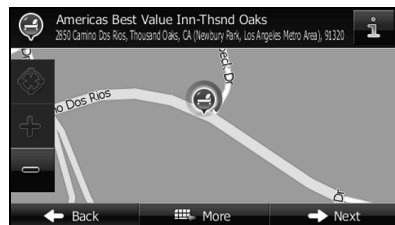
- 3 Touch **Results** (Results) after entering the first few characters to open a list of spot names that include the characters you entered.



- 4 (Optional) You can display spots on the list in name order, in order of the distance from the current position or previously confirmed position, or in order of necessary detour distance (during navigation). If you want to change the order in which entries are presented in the list, touch **More** (More) and select the style that you want. Also, you can display all of the spots on the list on the map.



- 5 Find the item you want on the list, and then touch that item. The map is displayed in full-screen mode with the selected point at the center. The name and address of the spot are displayed at the top of the screen.
- 6 (Optional) Touch **i** to display details about the selected spot. Touch **Back** (Back) to return to the map.
- 7 If necessary, you can touch another point on the map to change the destination. The cursor () is displayed at the new position. Touch **Next** (Next) to set the destination, or touch **Back** (Back) to select another destination.



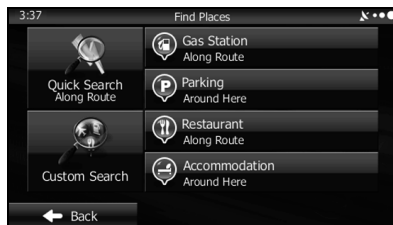
- 8 After a summary of the route plan is displayed, the entire route is displayed on the map. The route is researched automatically. Touch **More** (More) to change the route plan, or touch **Go!** (Go!) to start navigation. (When the countdown is displayed in the “Go!” button, guidance begins automatically after 10 seconds even if you do not touch the button.)



■ Searching for favorite spots using a preset category

By using the preset search function, you can quickly selected popular spots.

- 1 If the Map screen is displayed, touch **Menu** (Menu) to return to the navigation menu.
- 2 On the navigation menu, touch **Find** (Find).
- 3 Touch **Find Places** (Find Places).
- 4 Display preset search categories as follows.



Gas Station Along Route (Gas Station Around Route):

- Searches for gas stations along the route during route navigation.
- Searches around the current position if navigation is not being performed (if no destination is set).
- Searches the area around the last confirmed position if the current position is unavailable (no GPS signal).

Parking Around Here (Parking Around Here):

- Searches for parking lots at the destination during route navigation.
- Searches around the current position if navigation is not being performed (if no destination is set).
- Searches the area around the last confirmed position if the current position is unavailable (no GPS signal).

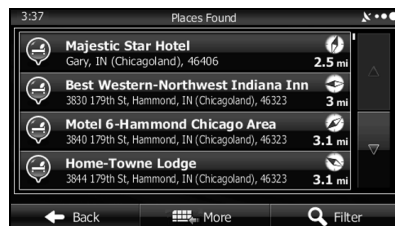
Restaurant Along Route (Restaurant Along Route):

- Searches for restaurants along the route during route navigation.
- Searches around the current position if navigation is not being performed (if no destination is set).
- Searches the area around the last confirmed position if the current position is unavailable (no GPS signal).

Accommodation Around Here (Accommodation Around Here):

- Searches for accommodation at the destination during route navigation.
- Searches around the current position if navigation is not being performed (if no destination is set).
- Searches the area around the last confirmed position if the current position is unavailable (no GPS signal).

- 5 Press the Favorites Quick Search button to display a basic list of spots.



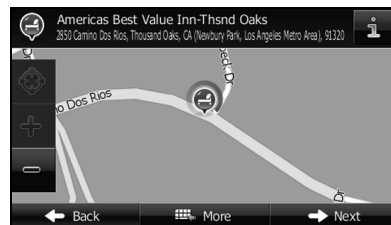
- 6 (Optional) You can display spots on the list in name order, in order of the distance from the current position or previously confirmed position, or in order of necessary detour distance (during navigation). If you want to change the order in which entries are presented in the list, touch **More** (More) and select the style that you want. Also, you can display all of the spots on the list on the map.



- 7 Find the item you want on the list, and then touch that item. The map is displayed in full-screen mode with the selected point at the center. The name and address of the spot are displayed at the top of the screen.

- 8 (Optional) Touch **i** to display details about the selected spot. Touch **Back** (Back) to return to the map.

- 9 If necessary, you can touch another point on the map to change the destination. The cursor () is displayed at the new position. Touch **Next** (Next) to set the destination, or touch **Back** (Back) to select another destination.



- 10** After a summary of the route plan is displayed, the entire route is displayed on the map. The route is researched automatically. Touch **More** (More) to change the route plan, or touch **Go!** (Go!) to start navigation. (When the countdown is displayed in the “Go!” button, guidance begins automatically after 10 seconds even if you do not touch the button.)



■ Searching for a favorite spot by category

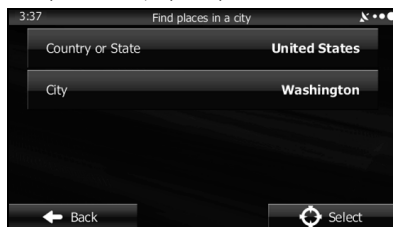
You can search for favorite spots by category or sub-category.

- 1** If the Map screen is displayed, touch **Menu** (Menu) to return to the navigation menu.
- 2** On the navigation menu, touch **Find** (Find).
- 3** Touch **Find Places** (Find Places).
- 4** Touch **Custom Search** (Custom Search).
- 5** Select the spot area you want to search for as follows.
 - Touch **Around Here** (Around Here) or **Around Last Known Position** (Around Last Known Position) to search around your current position, or the latest confirmed position.
 - Touch **In a City** (In a City) to search for city/town spots.
 - Touch **Around Destination** (Around Destination) to search for spots at the destination during route navigation.

- Touch **Along Route** (Along Route) to search along the route being navigated, rather than around an optional point. This is useful when you want to search for a gas station or restaurant and so on along the route taking the smallest detour to get there.

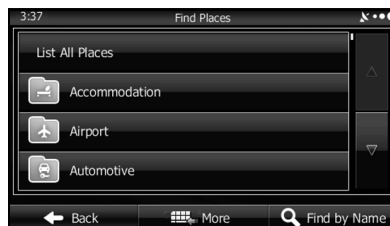


- (Optional) If you select **In a City** (In a City), you can select a city/town displayed by the search.

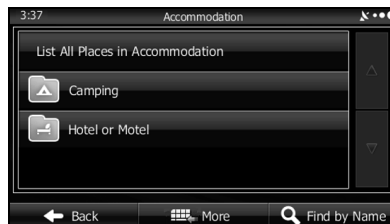


- See “Entering an address” on Page 106 for information about how to select a “Country or State” or “City”.

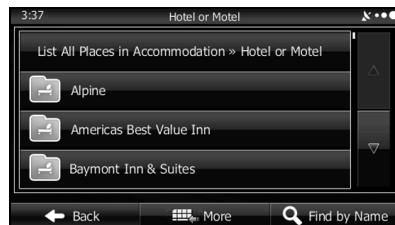
- By selecting a main category (such as accommodations), or by touching **List All Places** (List All Places), the entire list of spots around the position you selected or along the route is displayed.



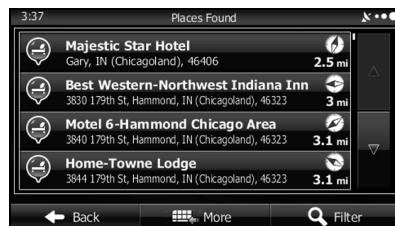
- By selecting a sub-category (such as hotels or motels) from the main category, or by touching **List All Places** (List All Places), the entire list of spots around the position you selected or along the route is displayed.



- 8 Brand names of services may also be displayed depending on the sub-category of the selected spot. By selecting a brand name, or by touching **List All Places** (List All Places), the entire list of spots around the position you selected or along the route is displayed.



- 9 The final search results are displayed as a list.



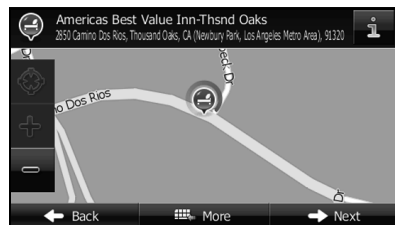
- 10 (Optional) You can display spots on the list in name order, in order of the distance from the current position or previously confirmed position, or in order of necessary detour distance (during navigation). If you want to change the order in which entries are presented in the list, touch **More** (More) and select the style that you want. Also, you can display all of the spots on the list on the map.



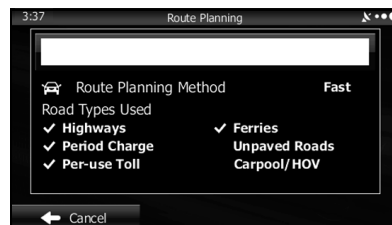
- 11 Find the item you want on the list, and then touch that item. The map is displayed in full-screen mode with the selected point at the center. The name and address of the spot are displayed at the top of the screen.

12 (Optional) Touch **i** to display details about the selected spot. Touch **Back** (Back) to return to the map.

13 If necessary, you can touch another point on the map to change the destination. The cursor (⤵) is displayed at the new position. Touch **Next** (Next) to set the destination, or touch **Back** (Back) to select another destination.



14 After a summary of the route plan is displayed, the entire route is displayed on the map. The route is researched automatically. Touch **More** (More) to change the route plan, or touch **Go!** (Go!) to start navigation. (When the countdown is displayed in the “Go!” button, guidance begins automatically after 10 seconds even if you do not touch the button.)



■ Searching for a favorite spot by name

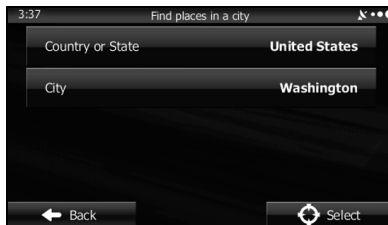
You can search for a favorite spot by name. You can search the entire spot database or select a category/sub-category for another location or for the route being navigated.

- 1 If the Map screen is displayed, touch **Menu** (Menu) to return to the navigation menu.
- 2 On the navigation menu, touch **Find** (Find).
- 3 Touch **Find Places** (Find Places).
- 4 Touch **Custom Search** (Custom Search).
- 5 Select the spot area you want to search for as follows.
 - Touch **Around Here** (Around Here) or **Around Last Known Position** (Around Last Known Position) to search around your current position, or the latest confirmed position.
 - Touch **In a City** (In a City) to search for city/town spots.
 - Touch **Around Destination** (Around Destination) to search for spots at the destination during route navigation.

- Touch **Along Route** (Along Route) to search along the route being navigated, rather than around an optional point. This is useful when you want to search for a gas station or restaurant and so on along the route taking the smallest detour to get there.

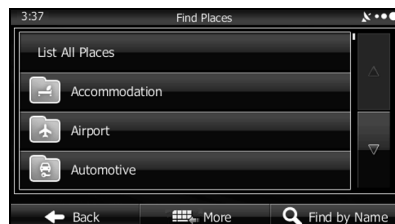


- (Optional) If you select **In a City** (In a City), you can select a city/town displayed by the search.

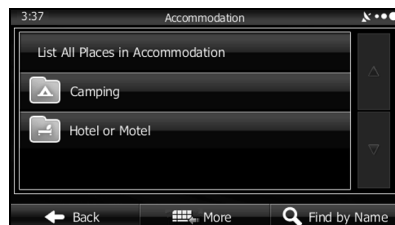


- See "Entering an address" on Page 106 for information about how to select a "Country or State" or "City".

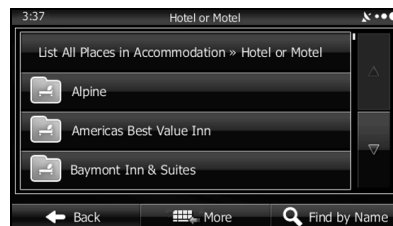
- 6 By selecting a main category (such as accommodations), or by touching **Find by Name** (Find by Name), you can search all spots.



- 7 By selecting a sub-category (such as hotels or motels) from the main category, or by touching **Find by Name** (Find by Name), you can search in the main category you selected.



- 8 Touch **Find by Name** (Find by Name) to search a sub-category of the selected spot.



- 9 Use the keyboard to enter the start of the spot name.
- For the keyboard, see "Using the Keyboard" on Page 88.



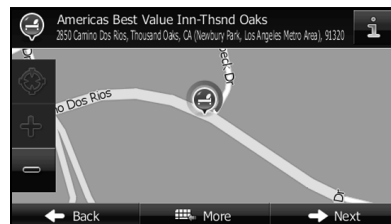
- 10** Touch **Results** (Results) after entering the first few characters to open a list of spot names that include the characters you entered.



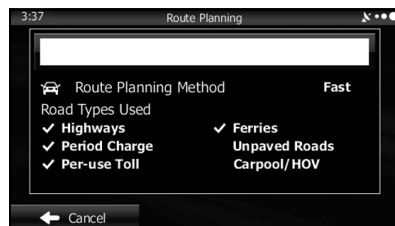
- 11** Find the item you want on the list, and then touch that item. The map is displayed in full-screen mode with the selected point at the center. The name and address of the spot are displayed at the top of the screen.

- 12** (Optional) Touch **i** to display details about the selected spot. Touch **Back** (Back) to return to the map.

- 13** If necessary, you can touch another point on the map to change the destination. The cursor (⤴) is displayed at the new position. Touch **Next** (Next) to set the destination, or touch **Back** (Back) to select another destination.



- 14** After a summary of the route plan is displayed, the entire route is displayed on the map. The route is researched automatically. Touch **More** (More) to change the route plan, or touch **Go!** (Go!) to start navigation. (When the countdown is displayed in the “Go!” button, guidance begins automatically after 10 seconds even if you do not touch the button.)



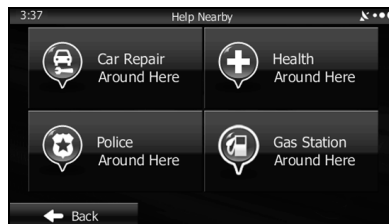
■ Using “Where Am I?” to select the closest assistance service

You can search for the closest assistance service by using the “Where Am I?” screen.

- 1** Touch  on the Map screen to open the Quick menu.



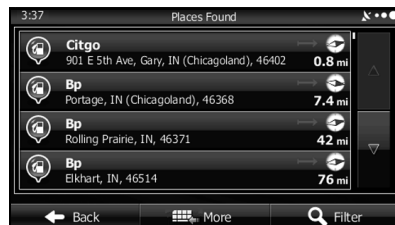
- 2** Touch **Where Am I?** (Where Am I?), and then touch **Help Nearby** (Help Nearby).



3 The preset search categories are displayed. This button searches for everything around your current position (or the latest confirmed position if it is unavailable).

- **Car Repair Around Here** (Car Repair Around Here)
Vehicle repairs / Road-side assistance services
- **Health Around Here** (Health Around Here):
Hospitals / Emergency services
- **Police Around Here** (Police Around Here):
Police stations
- **Gas Station Around Here** (Gas Station Around Here):
Gas stations

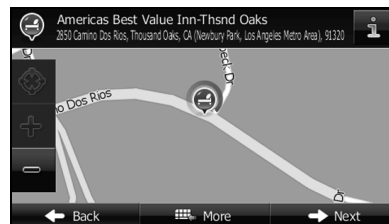
4 Press any of the quick search buttons to display a basic list for the service you selected.



5 Find the item you want on the list, and then touch that item. The map is displayed in full-screen mode with the selected point at the center. The name and address of the spot are displayed at the top of the screen.

6 (Optional) Touch **i** to display details about the selected spot. Touch **Back** (Back) to return to the map.

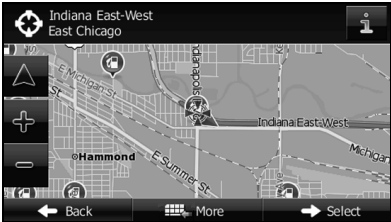
7 If necessary, you can touch another point on the map to change the destination. The cursor () is displayed at the new position. Touch **Next** (Next) to set the destination, or touch **Back** (Back) to select another destination.



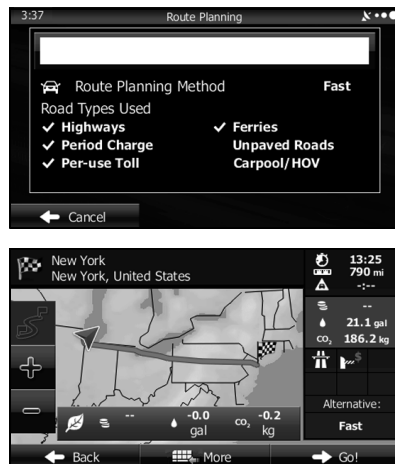
- 8** After a summary of the route plan is displayed, the entire route is displayed on the map. The route is researched automatically. Touch **More** (More) to change the route plan, or touch **Go!** (Go!) to start navigation. (When the countdown is displayed in the “Go!” button, guidance begins automatically after 10 seconds even if you do not touch the button.)



Selecting a Map Position as the Destination

- 1** If the Map screen is displayed, touch **Menu** (Menu) to return to the navigation menu.
 - 2** On the navigation menu, touch **Find** (Find).
 - 3** Touch **Find on Map** (Find on Map).
 - 4** Search for the destination on the map as follows. Move or enlarge/reduce the map as necessary.
- 
- 5** Touch the position you want to select as the destination. The cursor () is displayed.
 - 6** Touch **Select** (Select) to select the cursor as the destination.

- 7 After a summary of the route plan is displayed, the entire route is displayed on the map. The route is researched automatically. Touch **More** (More) to change the route plan, or touch **Go!** (Go!) to start navigation. (When the countdown is displayed in the “Go!” button, guidance begins automatically after 10 seconds even if you do not touch the button.)



Selecting the Destination from the Destination List

.....

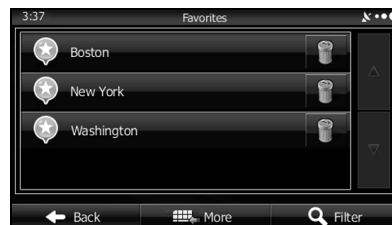
You can set a position that has been saved in the destination list as the destination.

See “Editing the Destination List (Route Editing)” on Page 147 for more details on registering a position to the destination list.

1 Display the destination list as follows.

- If the Map screen is displayed, touch **Menu** and then touch **Favorites** (Favorites). (Only when registered to the Quick Menu.)
- If the Map screen is displayed, touch **Menu** (Menu), **Find** (Find) and then touch **Favorites** (Favorites).

2 The destination list is displayed.



- 3 Touch the position you want to select as the destination. If necessary, you can scroll through the list, or touch **Filter** (Filter) and enter a few letters from the item name to search the list.
- 4 The map is displayed in full-screen mode with the selected point at the center. If necessary, you can touch another point on the map to change the destination. The cursor (👉) is displayed at the new position. Touch **Next** (Next) to set the destination, or touch **Back** (Back) to select another destination.



- 5 After a summary of the route plan is displayed, the entire route is displayed on the map. The route is researched automatically. Touch **More** (More) to change the route plan, or touch **Go!** (Go!) to start navigation. (When the countdown is displayed in the "Go!" button, guidance begins automatically after 10 seconds even if you do not touch the button.)



Selecting a Frequently Used Destination (Smart History)

Destinations that have been set previously are displayed in the History list. The two most recent destinations are displayed on the destination menu allowing you to select them easily. Smart History uses conditions such as the current time, date, and position, and displays a position in response to the user's navigation habits. The more you use the navigation system, the more accurate the anticipated destination becomes.

- 1 If the Map screen is displayed, touch **Menu** (Menu) to return to the navigation menu.

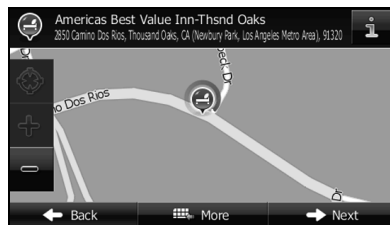


- 2 Touch **Find** (Find) on the navigation menu.

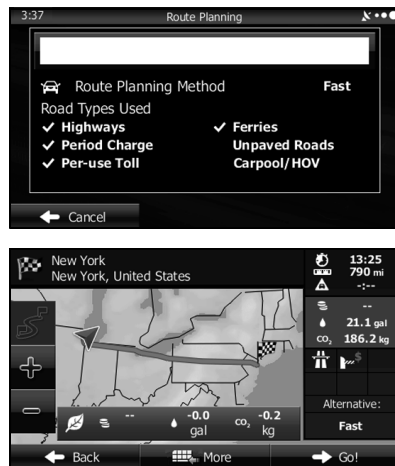


- 3 Touch destination **#1** or **#2** in the History field.

- 4 The map is displayed in full-screen mode with the selected point at the center. If necessary, you can touch another point on the map to change the destination. The cursor () is displayed at the new position. Touch **Next** (Next) to set the destination, or touch **Back** (Back) to select another destination.



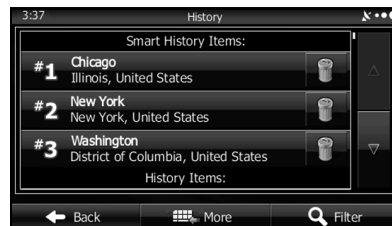
- 5 After a summary of the route plan is displayed, the entire route is displayed on the map. The route is researched automatically. Touch **More** (More) to change the route plan, or touch **Go!** (Go!) to start navigation. (When the countdown is displayed in the “Go!” button, guidance begins automatically after 10 seconds even if you do not touch the button.)



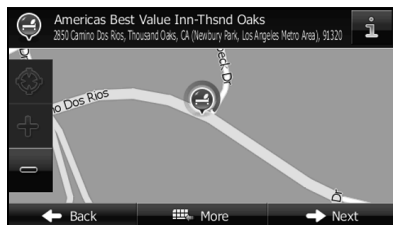
Selecting a Recent Destination from History

Destinations that have been set previously are displayed in the History list.

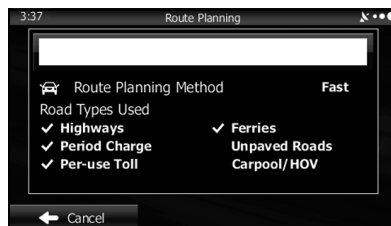
- 1 Use the History function as follows.
 - If the Map screen is displayed, touch **History** (History). (Only when registered to the Quick Menu.)
 - If the Map screen is displayed, touch **Menu** (Menu), **Find** (Find) and then touch **History** (History).
- 2 A list of recently entered destinations is displayed. A History search displays three destination on the top page based on previously entered routes (destinations with the highest likelihood of use). Other destinations are displayed based on the time they were entered in the past. If necessary, scroll through the list to display older entries and select the destination.



- 3 Select a destination from the list.
- 4 The map is displayed in full-screen mode with the selected point at the center. If necessary, you can touch another point on the map to change the destination. The cursor (👉) is displayed at the new position. Touch **Next** (Next) to set the destination, or touch **Back** (Back) to select another destination.



- 5 After a summary of the route plan is displayed, the entire route is displayed on the map. The route is researched automatically. Touch **More** (More) to change the route plan, or touch **Go!** (Go!) to start navigation. (When the countdown is displayed in the "Go!" button, guidance begins automatically after 10 seconds even if you do not touch the button.)



Creating a Route from the Destination List (Route Creator)

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You can create a route for each destination in the saved routes menu.

- 1 If the Map screen is displayed, touch **Menu** (Menu) to return to the navigation menu.
- 2 Touch **My Route** (My Route) on the navigation menu.
- 3 Touch **Create Route** (Create Route).
- 4 Only one row showing the route's start point (current position displayed) is displayed in the route point list.



- 5 Touch  to select a destination.

- 6 When the destination menu is displayed, select the route's destination using the same method as described previously.



- 7 After selecting a new destination, you are returned to the list.



- 8 To add another destination, touch  at the point where you want to add a new route point to the list, and repeat the steps above.

Displaying the Entire Route on the Map

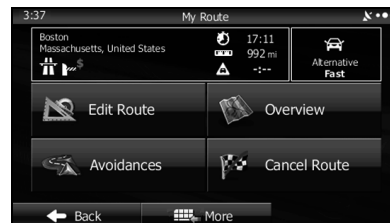
You can easily display an overview of the entire route currently being navigated. Follow the steps below to use the initial settings screen.

- 1 Touch **Menu** (Menu) on the Map screen.



- 2 Touch **My Route** (My Route) on the navigation menu.

- 3 Touch **Overview** (Overview). The entire route currently being navigated is displayed on the map along with detailed information and buttons.



Confirming Route Settings and Calling Route Related Functions

You can check a variety of route settings recommended by the software.

- 1 If the Map screen is displayed, touch **Menu** (Menu) to return to the navigation menu.
- 2 Touch **My Route** (My Route) on the navigation menu.
- 3 The following information items are displayed.



- Destination Name/Address
- Displays detailed information (unpaved roads, toll roads, and so on) on the warning icons (depending on conditions) for the current route.
- Total time for route
- Total distance for route
- Estimated delay times calculated from traffic conditions on the route
- Route planning method ("Priority to time" and so on)

- 4 The following options are displayed on the screen (see the next section for more detailed information).

- Touch **Edit Route** (Edit Route) to add or delete a destination, or change the order for the destinations. You can set the route departure point, excluding the current position. This is useful for creating a route in advance and saving it for later use.
- Touch **Overview** (Overview) to display the entire route on the map. (See Page 141.)
- Touch **Avoidances** (Avoidances) to avoid a section of the route. (See Page 143.)
- Touch **Cancel Route** (Cancel Route) to delete the route currently being navigated. (See Page 148.)
- Touch **More** (More) to display a list of various options such as selecting another route, changing the route settings, running a simulation of the route, saving the route being navigated, and reading a previously saved route.
- Touch **Back** (Back) to return to the navigation menu.

Setting the avoidance route

.....

The Avoidances feature allows you to remove any of the roads or special sections on the planned route.

- **Avoid Special Sections** (Avoid Special Sections):
Avoid Special Sections allows you to remove any special road types (e.g. motorways or ferries) from your route. This feature is only available if there are special sections along the planned route.
- **Avoid Route Ahead** (Avoid Route Ahead):
The Avoid Route Ahead option skips a predefined length of the planned route (500m, 1000m, etc.) right ahead of the current position.
- **Avoid Specific Road** (Avoid Specific Road):
Avoid Specific Road allows you to skip a specific road from your calculated route.
- **Restore Original Route** (Restore Original Route):
Touch "Restore Original Route" to delete the avoid route being navigated.

In each case, the result of the selected avoidance is shown on the map with an indication of additional or saved time and distance. The user can review and confirm the avoidance on this screen.

Note that avoidances are not permanent: they are only applied for the active route.

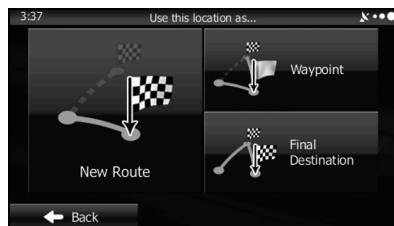
Changing the Route

When navigation has already begun, you can change the route being navigated by using one of the following methods. The methods are explained in the following section.

Selecting a new destination after the route has been set: new route, waypoint, and final destination

.....

If a recommended route is already available, and a new destination has been selected using the method described in the previous section, the start new route, add a new waypoint (midway point), and add the destination you selected as the final destination buttons are displayed.



- Touch **New Route** (New Route) to create a new route at the position you selected. Previous destinations and waypoints are deleted.
- Touch **Waypoint** (Waypoint) to add the position you selected as a new waypoint for the current route. Other destinations for the route are already enabled. Note: Waypoints are set so that the optimum route is maintained between destinations. You can use the route editing function to set the position for waypoints on the route.
- Touch **Final Destination** (Final Destination) to add the destination you selected as the final destination for the current route. Other destinations for the route are already enabled. Up to now, the position marked as the final destination becomes the final waypoint.

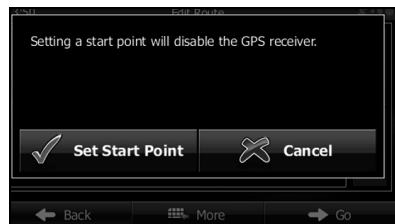
Setting a New Starting Point for the Route

In standard navigation, all routes are created from the current position. You can turn off the GPS so that you can study a route that is not currently being driven, run a simulation, and check the time or distance for the route. This way, you can set a start point for the route without using the current GPS position.

- 1 If the Map screen is displayed, touch **Menu** (Menu) to return to the navigation menu.
- 2 Touch **My Route** (My Route) on the navigation menu.
- 3 If a route is already available, touch **Edit Route** (Edit Route). If a route has already started, touch **Create Route** (Create Route).

- 4 The first row shows the start position (displays the current position) for the route. When you touch **+**, if a warning message is displayed, select which operation to perform.



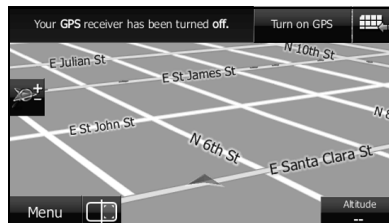


- 5 When the destination menu is displayed, select the route's start point by using the same method as selecting the destination.



- 6 Set the new start point, and then touch **Go!** (Go!).

- 7 The vehicle marker goes clear on the map, indicating that there is no GPS reception. If a route is already being navigated, it is recalculated using the position selected at that time.



- 8 To return to standard navigation, touch **Turn on GPS** (Turn on GPS), and if a warning message is displayed, select which operation to perform.



Editing the Destination List (Route Editing)

You can change the destination list and edit the route. You can add or delete destinations, change the start point, or change the order of the list.

1 Use the Route Editing function as follows.

- If the Map screen is displayed, touch  and then touch **Edit Route** (Edit Route) to start operation from Step 3. (Only when registered to the Quick Menu.)
- If the Map screen is displayed, touch **Menu** (Menu) and then touch **My Route** (My Route).

2 Touch **Edit Route** (Edit Route).

3 The following options are available.



- Touch  to add a new destination.
- Touch  to delete a destination.
- Touch  to change the start point of the route.
- Touch **More** (More) to change the display order of the list. You can also manually select the optimum route in the application.

Pausing Route Navigation

You do not need to pause a route currently being navigated. When you start driving again, the software automatically restarts audio navigation from the current position.

Canceling Route Navigation

Perform one of the following procedures to cancel a route that is currently being navigated.

- If the Map screen is displayed, touch  and then touch **Cancel Route** (Cancel Route). (If waypoints are set on the route, you need to touch **Remove Next Waypoint** (Remove Next Waypoint) until all waypoints have been deleted.)
- On the Map screen is displayed, touch **Menu** (Menu), **My Route** (My Route), and then touch **Cancel Route** (Cancel Route). The route being navigated is deleted, including all waypoints.

Changing the Method for Searching for a Route (Other Routes, etc.)

Change the Route settings to perform a new search for the route being navigated using a different method. (See Page 169.) You can even search again by comparing different routes. Follow the steps below to use the initial settings screen.

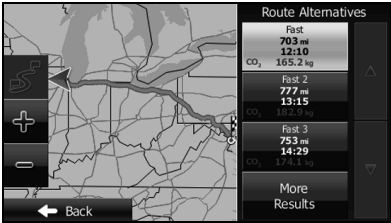
- 1 If the Map screen is displayed, touch **Menu** (Menu) to return to the navigation menu.
- 2 Touch **My Route** (My Route) on the navigation menu.
- 3 Touch **More** (More).



- 4 Touch **Route Alternatives** (Route Alternatives).



- 5 Using the current search method, three routes are displayed in order of recommendation. Touch **More Results** (More Results) to search using a different method. Also, if only a short distance is being navigated or only a few search candidates are found, each search method displays only one route.



- **Fast** (Fast):
Searches all roads for the quickest route following the speed limits of the roads.
- **Short** (Short):
Searches for the shortest distance in all possible routes.
- **Green** (Green):
Searches for the route that conserves the most energy, taking into account the merits of "Fast" and "Short".
- **Easy** (Easy):
Searches for a route that is easiest to drive, with few right and left turns. Using this option, the program allows you to avoid combinations of smaller roads and to take the expressway.

6 Touch **Back** (Back) to return to the previous screen. The route is searched again using the selected method. The new recommended route is indicated by an orange line.

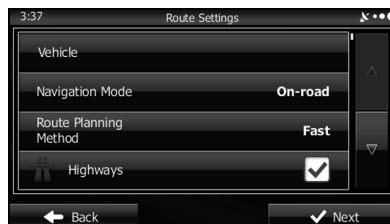
Changing the Road Categories used for the Route Search

You can use the following method to search the current route again using different road categories. This can also be changed in Settings. (See Page 169.)

1 Use the "Route Settings" function as follows.

- If the Map screen is displayed, touch  and then touch **Route Settings** (Route Settings). (Only when registered to the Quick Menu.)
- If the Map screen is displayed, touch **Menu** (Menu), **More** (More), **Settings** (Settings) and then touch **Route Settings** (Route Settings).

2 Touch one of the road categories displayed in the list to change the route. If necessary, scroll the list to view all road categories. The following items are available (the order differs depending on the type of vehicle selected).



- **Vehicle** (Vehicle):
Sets various factors to take into account when performing a search, such as fuel consumption, vehicle model, fuel costs, and maximum speeds on normal roads and expressways.
- **Navigation Mode** (Navigation Mode):
You can change between On-road and Off-road.
Set to On-road to perform normal navigation, or set to Off-road to navigate using the straightest possible route to the destination.
- **Route Planning Method** (Route Planning Method):
By changing the route search method, you can search for the optimum route for a variety of situations and types of vehicle. See the following items for more details.
- **Highways** (Highways):
Select whether or not to use the expressway when creating the route.
- **Period Charge** (Period Charge):
Select whether or not to use toll roads (Period Charge) when creating the route.
- **Per-use Toll** (Per-use Toll):
Select whether or not to use toll roads (Per-use Toll) when creating the route.
- **Ferries** (Ferries):
Select whether or not to use ferries when creating the route. (However, ferries might not always be selected for the route.) However, information on temporary service ferries may not be displayed on the map. There may be a fee for using the ferry.

- **Carpool/HOV** (Carpool/HOV):
Select whether or not to use Carpool/HOV lanes when creating the route.
- **Unpaved Roads** (Unpaved Roads):
Select whether or not to use unpaved roads when creating the route.
- **Calculate Green Alternative** (Calculate Green Alternative):
Select whether or not to consider energy efficiency when creating the route.

3 Touch **Back** (Back) to set the changes. The route is searched again, and the new recommended route is indicated by an orange line.

Saving a Position to the Destination List

The destination list is a list of frequently used destinations. You can add any destination to this list. See “Selecting the Destination from the Destination List” on Page 135 for more details on searching for a route using a destination from the destination list.

- 1 Select a destination.
- 2 When the map is displayed in full-screen mode with the selected point at the center, touch **More** (More).
- 3 Touch **Add to Favorites** (Add to Favorites).



- 4 (Optional) You can use the keyboard to change the initial display name in the destination list. Touch **123** to enter numbers or symbols.

- For the keyboard, see “Using the Keyboard” on Page 88.



- 5 Touch **Done** (Done) to save the position as a new entry on the destination list.

Displaying a Simulation of the Route

You can run a simulation of the route currently being navigated. Follow the steps below to use the initial settings screen.

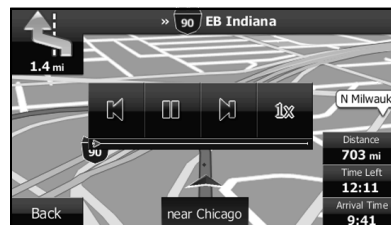
- 1 If the Map screen is displayed, touch **Menu** (Menu) to return to the navigation menu.
- 2 Touch **My Route** (My Route) on the navigation menu.
- 3 Touch **More** (More).



- 4 Scroll down through the list, and then touch **Simulate Navigation** (Simulate Navigation). The simulation begins from the start point and works through the entire route at the recommended speed.



- 5 (Optional) You can use the following buttons during the simulation (although the control buttons disappear after a few seconds, you can touch the map to show them again).



- : Returns to the previous route event (the previous change in the route)
- : Pauses the simulation.
- : Goes to the next route event (the next change in the route)
- : Changes the speed of the simulation. You can select from speeds of x4, x8, or x16. Touch again to return to normal speed.

6 Touch **Back** (Back) to stop the simulation.

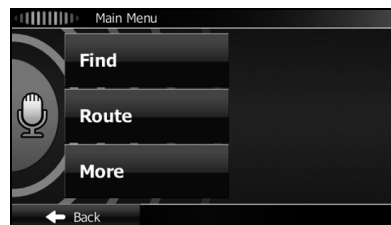
Voice Control Navigation

By using the voice control system (voice input microphone and button), you can set the destination by giving voice commands. This enables you to use functions that are usually inoperable while driving.

- 1 By using the voice recognition trigger or voice recognition button you can use voice commands to operate the navigation. (See Page 292.)



- 2 When using voice commands to operate the navigation, a command list is displayed. 155
- 3 Voice a command after the “beep”. From then on, you can give voice commands that are displayed on the command list to set the destination in the same manner.



- Voice control navigation can be interrupted by touching the microphone icon on the screen. When the icon is touched, the screen background color changes (green ↔ blue). To resume navigation voice control, touch the microphone icon again. The differences in background colors are explained below.
- **Command standby screen (green):**
This is the voice control command standby screen. When this screen is displayed, you can speak a command to perform navigation control. You can also perform control by directly touching the commands that are displayed on the screen.

- **Manual mode screen (blue):**

This screen appears when voice control is interrupted. You can perform control by directly touching the commands that are displayed on the screen.

- **Talkback screen (yellow):**

This screen appears while the talkback voice is being played when a command is recognized.

- **Command recognition failed screen (red):**

This screen appears when command recognition failed.

NOTE

“Address” searching using voice commands is only available when the device is used within the USA and its language setting is set to English.

Reference Data

The following pages explain the software's various features and menu screens.

Feature

Smart Zoom

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Smart zoom offers a large improvement over standard zoom functions.

- **While driving the route:** When approaching an intersection, the screen is enlarged and the viewpoint raised so that you can easily see which way to drive at the next intersection. After navigating the intersection, the screen is reduced and the angle lowered to check the road in front.
- **When driving without route navigation:** The screen is enlarged as you slow down and reduced as you speed up.

Switching between Day and Night Screens

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For the Map screen and menu screen, the colors differ between day and night.

- During daytime, the screen's colors are the same as those of a printed map, and the menu is brighter.
- At night, the screen uses dark colors for large objects and reduces the overall brightness of the screen.

The screen's color scheme differs between day and night. Using the current time and GPS position, you can also switch automatically between day and night screen settings just before sunrise (at dawn) and just after sunset (at dusk).

Route Search/Search Again

You can search for routes to suit your preferences.

Route search methods:

- **Fast** (Fast):
Searches all roads for the quickest route following the speed limits of the roads.
- **Green** (Green):
Searches for the route that conserves the most energy, taking into account the merits of “Fast” and “Short”.
- **Short** (Short):
Searches for the shortest distance in all possible routes.
- **Easy** (Easy):
Searches for a route that is easiest to drive, with few right and left turns. Using this option, the program allows you to avoid combinations of smaller roads and to take the expressway.

Search for a route by using or avoiding certain road categories:

- **Highways** (Highways)
- **Period Charge** (Period Charge)
- **Per-use Toll** (Per-use Toll)
- **Ferries** (Ferries)
- **Carpool/HOV** (Carpool/HOV)
- **Unpaved Roads** (Unpaved Roads)
- **Calculate Green Alternative** (Calculate Green Alternative)

The route may change drastically when real time traffic conditions are factored in. (See Page 159.)

If you leave the route that was searched for based on your current position, and new information is received regarding traffic conditions for the recommended route, the software automatically searches for another route.

See “Route Settings” on Page 169 for detailed information on Route settings.

GPS Positioning Quality Indicator

The GPS reception quality icon at the top right of the menu screen indicates the current accuracy of positional information.

Icon	Explanation
	The software is not connected to the GPS receiver. Cannot perform GPS navigation. Products with a built-in GPS receiver are always connected. This icon is not normally displayed for those products.
	Although the software is connected to the GPS receiver, the signal is too weak to measure the GPS. Cannot perform GPS navigation.
	Only a few satellites are transmitting. Positional information is available, but altitude (elevation above sea level) cannot be calculated. GPS navigation is possible, but large positional errors may occur.
	Elevation above sea level is available, and measurements can be performed in 3D. GPS navigation is available.

Online Road Information Saved in Route Search

This unit can provide you with even better routes, if real-time traffic information (TMC: Traffic Message Channel) is available.

If public traffic data is broadcast at your location, this unit automatically takes into account the traffic data received. You do not need to set anything in the program. The decoded information will immediately be used in route planning. The moment unit receives traffic information that may affect your route, the program recalculates the route, and this unit will continue with a new route that is optimal based on the most up-to-date traffic conditions.

Real-time traffic information (TMC)

TMC (Traffic Message Channel) offers real-time traffic conditions. This can help you to avoid traffic jams that could not be anticipated due to road closures or accidents.

TMC uses a dedicated FM Radio Data System (RDS) to broadcast real-time traffic and weather reports.

The default settings use traffic information when searching for a route.

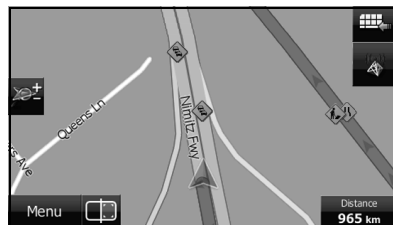
The TMC receiver necessary to receive traffic condition reports is built-in to some products, but not for others. Contact your nearest SUBARU dealer.

If traffic data normally broadcast in your region can be accessed, this received information is automatically taken into account. This does not need to be manually set. FM radio stations broadcasting TMC data are searched for automatically, and decoded information is immediately used to search for routes. If traffic information that might affect the current route is received, a warning is displayed indicating that the route will be searched for again, and navigation continues using a new, optimal route taking into account the latest traffic conditions.

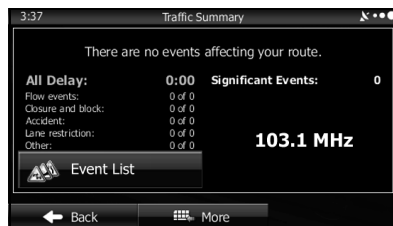
By delaying the timing before applying a route that has been searched again, the user can check the route and fine-tune the details creating the optimal search results. You can set this from Traffic settings. (See Page 168.)

When traffic information is being received, a special icon (📶) is displayed on the map. When there is no traffic information available for the route, this icon indicates the status of the traffic information receiver, and when information is received, the type of upcoming traffic information is displayed.

Road sections affected by traffic conditions are displayed in a different color on the map, and a small icon representing the type of traffic condition is displayed above the road.



Touch 📶 to display the Traffic Summary screen.



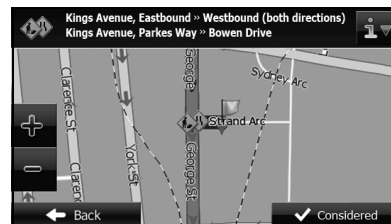
Touch **Event List** (Event List) to check the traffic information that has been received.



On this screen, you can select one entry from the list to view list of the traffic conditions for that section of the road.



On this screen, you can select one entry from the list to view full details of the traffic conditions for that section of the road.



Touch  to open another screen displaying information on the selected map position.

NOTE

- This function is only available when TMC is installed in the product being used.
- The TMC service is not available for all regions. There are also times when it may not be available in your country or district. For more information on availability, contact your nearest SUBARU dealer.

"More" Menu

Various options are available from the "Others" menu. Touch **More** (More) on the navigation menu.

- 1 If the Map screen is displayed, touch **Menu** (Menu) to return to the navigation menu.
- 2 Touch **More** (More) on the navigation menu.



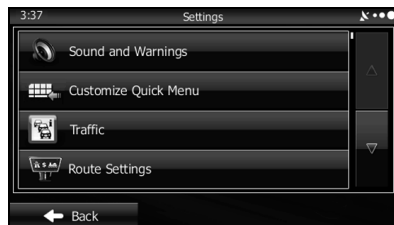
- **Settings** (Settings):
Configures programs and changes operational patterns for the software. Performs functions such as fine tuning route search options, changing the Map screen design, turning warnings on or off, and launching the Setup Wizard.

- **Sunrise & Sunset** (Sunrise & Sunset):
You can check global sunrise and sunset times. Places a mark on the map to show the user's current position and route points. Touch the Details button to check accurate sunrise and sunset times for all points along the route (current position, all waypoints, final destination).
- **Trip Monitor** (Trip Monitor):
Displays a list of all trip logs, whether they are saved by the user upon reaching the destination or whether they are saved automatically. By touching an item from the trip that is displayed, you can check trip data, speeds, and more detailed contents. When a path log has been saved, you can display it on the map in the color selected. You can use the path log for other purposes by exporting it as a GPX file.
- **Help** (Help):
Displays a tutorial allowing for a quick grasp of the software's functions, and starts a demonstration showing a sample route simulation to check the navigation functions. The About section displays product information. Here you can view the software and database user license agreements, search for the contents license, and check the software ID. You can check statistical data for program use.

Settings Menu

Configures programs and changes operational patterns for the software. On the navigation menu, touch **More** (More), and then touch **Settings** (Settings).

The Settings menu contains a variety of options. Touch ▼ or scroll the list with your finger to view the entire list.



- **Sound and Warnings** (Sound and Warnings):
Performs volume adjustment or changes the voice guidance language. Also enables various warnings and warning settings. (See Page 164.)
- **Customize Quick Menu** (Customize Quick Menu):
Allows you to set Quick menu items to suit your needs. Touch the button you want to change, and then select another function from the list. (See Page 166.)
- **Traffic** (Traffic):
Sets On/Off of traffic information display and the method to use the received real-time traffic information on route search. (See Page 168.)
- **Route Settings** (Route Settings):
Sets the route search method. Select the type of vehicle you are using, the road category to use for the route search, and the route search method. (See Page 169.)
- **Map Settings** (Map Settings):
Fine tunes the Map screen appearance. Performs adjustments for your selected map display, selects from a list of color designs used for daytime and nighttime, turns the path log on or off, and manages the spot display categories (allows you to select the type of spot displayed on the map). (See Page 170.)
- **Visual Guidance** (Visual Guidance):
Changes settings related to Map screen guidance. (See Page 172.)
- **Units and Formats** (Units and Formats):
Sets display units and the date display. (See Page 173.)
- **Trip Monitor** (Trip Monitor):
Contains useful information on the user's distance moved in the trip logs and path logs. You can save trip logs automatically by turning this setting on, or save them manually when arriving at a destination. (See Page 173.)
- **Start Configuration Wizard** (Start Configuration Wizard):
Changes basic software configurations set during the initial setup process. See step 3 in "Read First" on Page 83.

Sound and Warnings

Performs volume adjustment or changes the voice guidance language. Also enables various warnings and warning settings.

CAUTION

Be sure to set the volume of the audio at an appropriate level. Improper volume setting may result in hearing damage or a traffic accident.

- **Volume** (Volume):
Touch this button to adjust various volumes in the application. The type and buttons for various different volumes is displayed on a new screen. See the following items for more details.
- **Voice Language** (Voice Language):
This button displays the current language for voice guidance. Touch this button to select a new language/narrator from the available languages and list of narrators. When you touch an item from the list, a sample of the audio is played back. Touch **Back** (Back) after selecting a new voice language.
- **TTS Pro** (TTS Pro):
Touch this button to select the frequency of voice information, as well as turning on or off various voice information such as information on traffic conditions.

- **Verbosity Level** (Verbosity Level):
You can select the Verbosity Level from “Minimal”, “Compact”, or “Verbose”.
- **Voice Recognition** (Voice Recognition):
Touch this button to turn on or off talk back voice recognition results, or change the voice recognition method.
- **Alert Point Settings** (Alert Point Settings):
Displays driver warning information on the map. Touch this button to turn these warnings on or off, and set how far from the danger the warning should be generated. You can make individual settings for each type of warning.
- **Warning Sign Alerts** (Warning Sign Alerts):
Displays driver warning information on the map. Touch this button to turn these warnings on or off, and set how far from the danger the warning should be generated. You can make individual settings for each type of warning.

You can adjust the volume for the following voice categories.

- Guidance:
Changes the volume for the guidance voice (when guiding using a narrator).
- Alert Beeps:
Changes the volume for audio warnings (the beep).

Adjustment buttons for each audio classification:

- Volume slider:
Adjusts the volume of the associated audio.

Customize Quick Menu

Allows you to set Quick menu items to suit your needs. (See Page 101.) Touch the button you want to change, and then select another function from the list.

Button	Explanation	Primary Location
Quick Place Search (Quick Place Search)	Touch this button to search around a point on the route, or your current position (when a route search has not been performed).	Find / Find Places / Quick Search (See Page 120.)
Favorites (Favorites)	Touch this button to select an item from the destination list.	Find / Favorite (See Page 135.)
History (History)	Touch this button to select previously set destinations from the history list.	Find / History (See Page 137.)
Create Route (Create Route)/ Edit Route (Edit Route)	Touch this button to change the route.	My Route / Create (Edit) Route (See Page 140.)
Route Settings (Route Settings)	Touch this button to change route related settings.	More / Settings / Route Settings (See Page 169.)
Map Settings (Map Settings)	Touch this button to change map related settings.	More / Settings / Map Settings (See Page 170.)
Where Am I? (Where Am I?)	Touch this button to display a special screen with a button that searches for information on your current position and determines the nearest emergency assistance or road-side assistance. See the following section for more details.	N/A
Cancel Route (Cancel Route)	Touch this button to clear the route and cancel navigation. This button is available when only one destination is set.	My Route / Cancel Route (See Page 148.)
Remove Next Waypoint (Remove Next Waypoint)	Touch this button to remove the next waypoint from the route. When multiple destinations are set, the previous waypoint is displayed. This button is available when only two or more destinations are set.	N/A
Overview (Overview)	Reduces the scale of the 2D map to display the entire route.	My Route / Overview (See Page 141.)

Button	Explanation	Primary Location
Visual Guidance (Visual Guidance)	Opens the Visual Guidance settings screen.	More / Settings / Visual Guidance (See Page 172.)
Traffic (Traffic)	Opens the overall traffic conditions screen.	Touch the navigation menu or the Map screen's road icons.
Avoid (Avoid)	Avoids part of the recommended route.	My Route / Avoidances
Trip Monitor (Trip Monitor)	Opens the trip monitor screen from which you can manage your saved trip logs and path logs.	More / Trip Monitor (See Page 162.)
Itinerary (Itinerary)	Opens a list of changes in the route (distances).	Touch the top of the Map screen during navigation.
Save Route (Save Route)	The route being navigated is saved to be used later.	My Route / More / Save Route
Load Route (Load Route)	Changes to a saved, previously navigated route.	My Route / More / Load Route
Find Places (Find Places)	Searches for your favorite spots using a variety of methods.	Find / Find Places (See Page 120.)
Simulate Navigation (Simulate Navigation)	The Map screen opens and a simulation of the route being navigated starts.	My Route / More / Simulate Navigation (See Page 153.)
GPS Info (GPS Info)	Opens the GPS information screen showing satellite positions and signal strength.	Touch the top of the Map screen if there is no GPS reception.

Traffic

Sets On/Off of traffic information display and the method to use the received real-time traffic information on route search.

- **Traffic Receiver** (Traffic Receiver):
Turns on or off the traffic information display.
- **Detour** (Detour):
Set to use real-time traffic information when searching for a route. When searching for a new route, or when it is necessary to search again based on the traffic information received, it searches for merits to avoiding the current traffic conditions.
Set so that confirmation is needed every time you perform another search by delaying the timing when the search is remade.
 - **Never offer detour** (Never offer detour):
When this button is touched, routes that do not satisfy traffic conditions are not searched.
 - **Offer detour if the calculated route saves more than:** (Offer detour if the calculated route saves more than):
When this button is touched, routes that satisfy traffic conditions are searched.
Time slider:
Adjust the timing before starting another route search. (You can set 0 to 60 every 5 minutes)
 - **Do you want to confirm the offered route?** (Do you want to confirm the offered route?):
You can turn the route confirmation display on or off for each new search.

- **Event Types** (Event Types):
Touch this button to open a list of types of traffic conditions, and select the events to take into consideration when searching for a route.
- Settings button for each type of traffic condition**
- **All events in this category will be:** (All events in this category will be):
You can select "Considered" or "Ignored" when searching for a route.
 - **Visible on map** (Visible on map):
You can turn the icon display on the map on or off.

Route Settings

Sets the route search method.

- **Vehicle** (Vehicle):
Sets various factors to take into account when performing a search, such as fuel consumption, vehicle model, fuel costs, and maximum speeds on normal roads and expressways.
- **Navigation Mode** (Navigation Mode):
You can change between On-road and Off-road.
Set to On-road to perform normal navigation, or set to Off-road to navigate using the straightest possible route to the destination.
- **Route Planning Method** (Route Planning Method):
By changing the route search method, you can search for the optimum route for a variety of situations and types of vehicle. See the following items for more details.

You can set which road categories to include or to avoid in the route to match the user's preferences.

Avoiding a road category is simply a matter of changing the priority level. This does not mean that the selected road category will never be used. If the navigation cannot reach the destination without using a road category that should be avoided, the road category will be used, but only as little as possible. If this does happen, a warning icon is displayed on the My Route screen.

In the road category list you can check the number of sections used for each road category on the current route and the overall distance.

- **Highways** (Highways):
Select whether or not to use the expressway when creating the route.
- **Period Charge** (Period Charge):
Select whether or not to use toll roads (Period Charge) when creating the route.
- **Per-use Toll** (Per-use Toll):
Select whether or not to use toll roads (Per-use Toll) when creating the route.
- **Ferries** (Ferries):
Select whether or not to use ferries when creating the route. (However, ferries might not always be selected for the route.) However, information on temporary service ferries may not be displayed on the map. There may be a fee for using the ferry.
- **Carpool/HOV** (Carpool/HOV):
Select whether or not to use Carpool/HOV lanes when creating the route.
- **Unpaved Roads** (Unpaved Roads):
Select whether or not to use unpaved roads when creating the route.

- **Calculate Green Alternative** (Calculate Green Alternative):
Select whether or not to consider energy efficiency when creating the route.

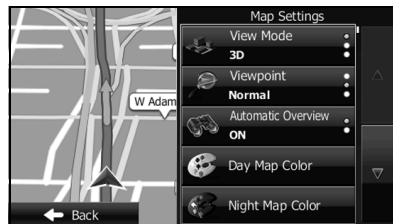
Type of route search method:

- **Fast** (Fast):
Searches all roads for the quickest route following the speed limits of the roads.
- **Green** (Green):
Searches for the route that conserves the most energy, taking into account the merits of "Fast" and "Short".
- **Short** (Short):
Searches for the shortest distance in all possible routes.
- **Easy** (Easy):
Searches for a route that is easiest to drive, with few right and left turns. Using this option, the program allows you to avoid combinations of smaller roads and to take the expressway.

Map Settings

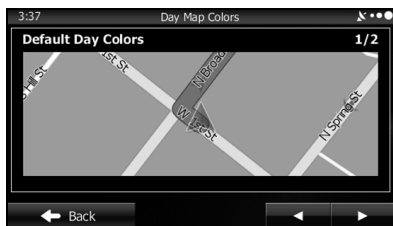
Fine tunes the Map screen appearance. Performs adjustments for your selected map display, selects from a list of color designs used for daytime and nighttime, turns the path log on or off, and manages the spot display categories (allows you to select the type of spot displayed on the map).

Because the map is displayed on the screen, you can check the results as you change settings.

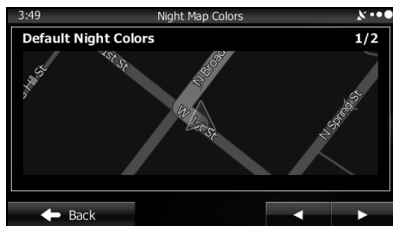


- **View Mode 3D** (View Mode 3D):
Select the display mode from a 3D bird's-eye view, a 2D heads-up flat view, or a 2D North Up flat view.
- **Viewpoint Normal** (Viewpoint Normal):
You can adjust the standard zoom and the angle of tilt to suit your needs. You can set the level in three stages.
- **Automatic Overview** (Automatic Overview):
Automatically reduces the scale of the 2D map to display the entire route. You can turn this function on and off.

- **Day Map Color** (Day Map Color):
Select the screen color used in daytime mode.



- The view changes between night view and day view each time you touch  or .
- **Night Map Color** (Night Map Color):
Select the screen color used in nighttime mode.



- The view changes between night view and day view each time you touch  or .

- **Track Logs** (Track Logs):
Turns the path log save function on or off (saves in positional order for each trip).
- **Place Markers** (Place Markers):
Select a spot displayed on the map during navigation. We recommend reducing the number of spots displayed as much as possible as the map is difficult to see if there are too many spots. Because of this, the software is designed to allow multiple spot displays. Follow the steps below.
 - Touch the check box to show or hide the spot category.
 - Touch the spot category name to open a sub-category.
 - Touch **More** (More) to save the currently displayed spot position, or read spot displays saved previously. You can also restore the default display settings.

Visual Guidance

Changes settings related to Map screen guidance.

- **Data Fields** (Data Fields):
You can set the data fields displayed at the corner of the Map screen to match your needs. Touch this button and select the guidance you want to display. Values may differ when driving without having set a destination in route navigation. You can select current speed or altitude and so on for a standard trip data, or select route data related to the final destination or the next waypoint on the route.
- **Highway Services** (Highway Services):
Displays service area information while driving on the expressway. You can turn this function on and off.
- **Facility Types** (Facility Types):
Touch this button and select the service area information display items you want to display.
- **Signposts** (Signposts):
When information is available, lane information similar to overhead road traffic signs is displayed at the top of the map. You can turn this function on and off.
- **Junction View** (Junction View):
When approaching an expressway exit or a complicated intersection, the map switches to a 3D display if the necessary information can be displayed.

- **Route Progress Bar** (Route Progress Bar):
Turns on the route progress bar which is displayed as a straight line to the left of the map. This shows the progress made on the current route. When a blue arrow is used to indicate position, the arrow continues to rise as you drive towards your destination. Waypoints and traffic conditions are displayed on the line.

Units and Formats

Sets display units and the date display.

- **Units and Formats** (Units and Formats):
Sets the units used by the program to measure distance. Voice guidance languages do not support all units displayed in the list.
You can select to display the time in various international date formats.

Types of display units and date display settings:

- **Distance** (Distance):
Buttons the units used to display distance.
- **Fuel Economy** (Fuel Economy):
Buttons the units used to display fuel consumption.
- **Currency** (Currency):
Displays the keyboard screen allowing you to enter the currency name. (For the keyboard, see "Using the Keyboard" on Page 88.)
- **Date Format** (Date Format):
Buttons the units used to display the date.
- **Date Delimiter** (Date Delimiter):
Buttons the date delimiter.
- **Coordinate Display Format** (Coordinate Display Format):
Buttons the coordinate display format.

Trip Monitor

Contains useful information on the user's distance moved in the trip logs and path logs. You can save trip logs automatically by turning this setting on, or save them manually when arriving at a destination. You can view all logs on the trip monitor. Launch the trip monitor from the "Others" menu.

- **Enable Auto-Saving** (Enable Auto-Saving):
The trip monitor saves statistical data for the distance traveled. You can set it so that the route is saved automatically if you need a log after driving.
- Trip Database Size:
This is not a button. This line indicates the current size of the trip database. This shows the total for all saved trip logs and path logs.
- **Save Track Log** (Save Track Log):
You can save path logs (positional order acquired from GPS receiver) in the trip log.

Glossary

2D/3D GPS reception

The GPS receiver uses signals from satellites to calculate its current position (the user's position), but to acquire a 3D position at least four signals are necessary, including altitude. The GPS device may not be able to acquire signals from four satellites as they are constantly moving and obstacles may block satellite signals. Although the accuracy decreases when only three signals can be acquired, and altitude data cannot be sent, the receiver can calculate a latitude and longitude GPS position. Only 2D reception is possible.

Route being navigated

The route currently being navigated. When a destination is set, the route will be continuously navigated until the destination is deleted, you arrive at the destination, or the software is closed. Also see "Route".

City center

The center of the city/town is not the geographical center of the city/town, but a location set by the cartographer. In towns and villages, this is usually the most important intersection, while in larger cities it is selected from multiple important intersections.

Color design

The color design used for the map and menu screens differs for daytime and nighttime. Each design has a different graphic setting, with 2D and 3D each having colors for roads, blocks, seas, and lakes, whilst shadow changes and shadows are displayed differently in 3D mode.

Daytime screen and nighttime screen designs for the map and menu are selected one at a time. The design changes automatically when day becomes night and night becomes day.

GPS accuracy

Various factors can contribute to a margin of error between the user's actual position and the position acquired from the GPS device. For example, signal delays in the ionosphere or reflections from objects around the GPS equipment, can influence the accuracy with which the GPS device can calculate the user's position.

Maps

Although this software uses digital maps, these are not simply digital conversions from printed maps. The 2D mode digital map represents roads in the same way as a traditional printed map, using color classifications to show streets, roads, and changes in altitude.

In 3D mode, you can confirm differences in altitude for mountains, valleys, highland roads and so on, and display areas of cities using 3D landmarks and 3D images of buildings.

The digital map can be used interactively. You can zoom in and out (enlarge/reduce), tilt up and down, and rotate left and right. By using navigation that supports GPS, you can easily plan your route with the digital maps.

North Up Map Direction

North Up mode rotates the map so that North is always at the top of the map. You can use this direction with Find On Map and so on. Also see "Heads-up Map Direction".

Route

The route is an ordered arrangement of the route events (the next change in the route - right or left turns, roundabouts, and so on), presenting them as they occur until you reach your destination. If there is one starting point, there must be at least one destination. On startup, the start point is the current position (or the last confirmed position). If you need to check a route that is not currently being driven, you can move the start point to wherever you want.

Heads-up Map Direction

Heads-up mode rotates the map so that the direction you are currently traveling is always at the top of the map. This is the default direction in 3D map display mode. Also see "North Up Map Direction".

End-user License Agreement

1 The contracting parties

- 1.1 This Agreement has been entered into by and between Nav N Go Kft. (registered seat: 23 Bérc utca, H-1016 Budapest, Hungary; Company reg.no.: 01-09-891838) as Licensor (hereinafter: Licensor) and You as the User (hereinafter: User; the User and the Licensor jointly referred to as: Parties) in subject of the use of the software product specified in this Agreement.

2 Conclusion of the Agreement

- 2.1 The Parties hereby acknowledge that this Agreement shall be concluded by implicit conduct of the Parties without signing the Agreement.
- 2.2 The User hereby acknowledges that following the lawful acquisition of the software product constituting the object of this Agreement (Section 4), any degree of use, installation into a computer or other hardware, installation of such hardware into a vehicle, pressing of the "Accept" button displayed by the software during installation or use (hereinafter referred to as Use) shall mean that the User has accepted the terms and conditions of this Agreement as legally binding.
- 2.3 This Agreement shall by no means authorize use of the software product by those persons having unlawfully acquired the software product or having unlawfully installed it on a computer or in a vehicle.

3 Relevant laws and regulations

- 3.1 Any action related to this Agreement will be governed by the laws of the Republic of Hungary, with specific reference to Act IV of 1959 on the Civil Code and to Act LXXVI of 1999 on Copyrights shall apply.
- 3.2 The original language version of this Agreement is the Hungarian version. This Agreement has versions in other languages as well. In case of dispute the Hungarian version shall prevail.

4 Object of the Agreement and Termination

- 4.1 The object of this Agreement shall be the navigation guidance software product of Licensor (hereinafter referred to as the Software Product).
- 4.2 The Software Product shall include the operating computer program, its complete documentation, the map database pertaining thereto and any third-party content and services accessible through the Software Product (hereinafter: Database).
- 4.3 Any form of display, storage, coding, including printed, electronic or graphic display, storage, source or object code, or any other as yet undefined form of display, storage, or coding, or any medium thereof shall be deemed parts of the Software Product.
- 4.4 Error corrections, additions, updates used by the User following the conclusion of this Agreement shall also be deemed parts of the Software Product.
- 4.5 Your rights under this Agreement will terminate immediately without notice from Licensor if you materially breach it or take any action in derogation of Licensor's and/or its Licensor's rights to the Software Product. Licensor may terminate this Agreement should any Software Product become, or Licensor's reasonable opinion likely to become, the subject of a claim of intellectual property infringement or trade secret misappropriation. Upon termination, you will cease use of, and destroy Software Product and confirm compliance in writing to Licensor

5 Rights under copyright

- 5.1 Unless otherwise provided by law or contractual provisions, the Licensor is the sole and exclusive owner of all material copyrights vested in the Software Product.
- 5.2 Copyrights extend to the whole Software Product and to its parts separately as well.
- 5.3 The owner(s) of the copyrights of the Database forming part of the Software Product is (are) the natural person(s) or corporate entity(ies) listed in the Appendix to this Agreement or in the "About" menu item of the operating computer program (hereinafter referred to as Database Owner). The user's manual of the Software Product includes the name of the menu option where all the owners of the Database items are listed. The Licensor hereby states that it has obtained sufficient usage and representation rights from the Database owners in order to utilise the Database, to offer it for utilisation and to transfer it for utilisation as set forth in this Agreement.
- 5.4 Pursuant to this Agreement, all rights vested in the Software Product shall remain in the ownership of the Licensor, except for those to which the User is entitled under law or by virtue of this Agreement.

6 Rights of the User

- 6.1 The User is entitled to install the Software Product into one hardware device (desktop, handheld, portable computer, navigation device), and to run and use one copy of the Software Product or a preinstalled copy of the Software Product thereon.
- 6.2 The User is entitled to make one backup copy of the Software Product. However, if the Software Product operates after installation without the use of the original media copy, then the original media copy shall be deemed to be a backup copy. In all other cases, the User is only entitled to use the backup copy if the original media copy of the Software Product has been ascertainably and unequivocally rendered unsuitable for its lawful and intended use.

7 Limitations of use

- 7.1 The User is not entitled
- 7.1.1 to duplicate the Software Product (to make a copy thereof);
- 7.1.2 to lease, rent or lend it or to transfer it to a third person for any reason;
- 7.1.3 to translate the Software Product (including translation (compilation) to other programming languages);
- 7.1.4 to decompile the Software Product;
- 7.1.5 to evade the protection of the Software Product or to modify, circumvent or obviate such protection through technological or by any other means;
- 7.1.6 to modify, extend, transform the Software Product (in whole or in part), to separate it into parts, combine it with other products, install it in other products, utilise it in other products, not even for the purpose of achieving interoperability with other devices;
- 7.1.7 apart from using the computer program, to obtain information from the Database as a part of the Software Product, to decompile the Database, to use, copy, modify, extend, transform the Database in whole or in part or the group of data stored therein, or to install it in other products or otherwise, utilise it in other products or to transfer it, not even with the aim of achieving interoperability with other products.
- 7.2 The User may only use the contents available through the Software Product and provided by third parties and the data received through the services provided by third parties (including but not limited to the traffic data received from the RDS TMC traffic information service) for his/her own personal benefit and at his/her own risk. It is strictly prohibited to store, to transfer or to distribute these data or contents or to disclose them in full or in part to the public in any format or to download them from the product.

8 No warranty, limitation of responsibility

- 8.1 The Licensor hereby informs the User that although the greatest care was taken in producing the Software Product, given the nature of the Software Product and its technical limitations, the Licensor does not provide a warranty for the Software Product being completely error-free, and the Licensor is not bound by any contractual obligation whereby the Software Product obtained by the User should be completely error-free.
- 8.2 The Licensor does not warrant that the Software Product is suitable for any purpose defined either by the Licensor or the User, and does not warrant that the Software Product is capable of interoperating with any other system, device or product (e.g. software or hardware).
- 8.3 The Licensor does not assume any responsibility for damages incurred due to an error in the Software Product (including errors of the computer program, the documentation and the Database).
- 8.4 The Licensor does not assume any responsibility for damages incurred due to the Software Product not being applicable for any defined purpose, or due to the error or incompatibility of the Software Product with any other system, device or product (e.g. software or hardware).
- 8.5 The Licensor also draws the attention of the User to the fact that, when using the Software Product in any form of vehicle, observing the traffic regulations and rules (e.g. use of obligatory and/or reasonable and suitable security measures, proper and generally expected care and attention in the given situation, and special care and attention required due to the use of the Software Product) is the exclusive responsibility of the User. The Licensor shall not assume any responsibility for any damages occurred in relation to use of the Software Product in a motor vehicle.
- 8.6 By concluding the Agreement, the User shall, in particular, acknowledge the information stated in Section 8 above.

9 Sanctions

- 9.1 The Licensor hereby informs the User that, if the Licensor finds its rights under the Copyright Act to be breached, the Licensor may
 - 9.1.1 seek judicial recognition of this breach;
 - 9.1.2 demand that the breach cease and order the person in breach to refrain from continuing such actions;
 - 9.1.3 demand that the person under breach give proper compensation (even by way of publicity at the expense of the person in breach);
 - 9.1.4 claim the return of the increase of assets due to the breach;
 - 9.1.5 demand the cease of the wrongful action and, demand restitution to its state before the breach was committed at the expense of the person in breach, and may demand the destruction of instruments and materials used to commit the breach as well as of the products created by the breach;
 - 9.1.6 claim for damages.
- 9.2 The Licensor hereby also informs the User that the breach of copyrights and related rights is a crime under Act IV of 1978 on the Hungarian Criminal Code, which may be sentenced of two years in prison in basic cases and up to eight years in prison in aggravated cases.

9.3 Contents and services provided by third parties

The Licensor hereby excludes any liability of its own for the Database in the Software Product and for any content or service provided by a third party by using the Database. The Licensor does not warrant the quality, suitability, accuracy, fitness for a specific purpose or territorial coverage of the product or service or the availability of the service, and it specifically excludes any liability for the suspension of the service, and any damage arising in relation to the service or for complete cancellation of the service.

The User hereby acknowledges that the contents and services provided by third parties may only be used at the risk of the User and for the personal benefit of the User.

9.4 The parties hereby agree that the courts of the Republic of Hungary will have exclusive jurisdiction to rule on any disputes arising in connection with this Agreement.

10 Anonymous data collection

- 10.1 The User hereby acknowledges that the Software Product may collect and store data connected to the usage of the Software Product by the User (e.g. movement/route data, user interaction data). Such data collection functions may be disabled or enabled by User any time from within the corresponding menu. The collected data is connected to the device type identifier of the device running the Software Product and not associated in any way with any personal information of the User itself.
- 10.2 The collected data may be uploaded to licensor's database and used exclusively of the purpose of enhancing and improving the features and services of the Software Product and the Databases. Uploading is executed through Licensor's special software or by the User navigation device, and the upload may be enabled or disabled by User. After successful data upload, the collected data is deleted from the Software Product storage media.
- 10.3 Collected data is transmitted, stored and handled anonymously and no connection of the data with the User shall be established by Licensor or any third party.

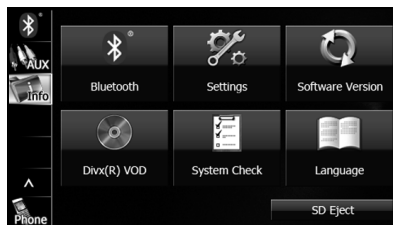
Further Information

Display Connection Status Information

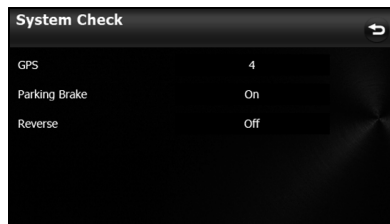
You can check the connection between the unit and the vehicle, such as GPS information, parking signals and so on.

Display Connection Status Information

- 1 Press **AUDIO**.
- 2 Touch **Info**.
 - If **Info** is not displayed, touch **∨**.
- 3 Touch **System Check** (System Check).
 - Displays the connection status information screen.



<Connection status information screen>



Information	Content	
GPS information	Displays the number of GPS satellites currently sending information.	
Parking signal	On	When the parking brake is applied.
	Off	When the parking brake is not applied.
Reverse signal	On	When shifting into reverse.
	Off	When shifting into another gear.

Accuracy & error calculation

Regarding Precision Accuracy

Since the GPS satellites are controlled by the US Department of Defense they do have a very high level of accuracy, however a multipath due to reflections from buildings and so on could cause errors to occur.

Regarding the Properties of the GPS Electro-Magnetic Waves and Signal Reception

If there are any obstacles between the GPS antenna and the GPS satellite, electromagnetic-waves cannot be received from the satellite. It is also impossible to use GPS positioning in the following locations as at least three simultaneous electromagnetic-waves are necessary to take measurements.

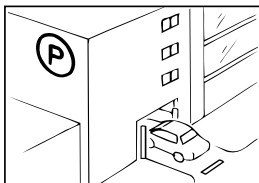
Also, if there are any obstacles around the GPS antenna, electromagnetic-waves cannot be received from the satellite.



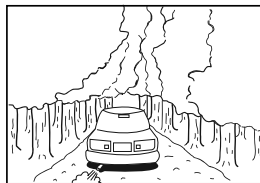
- In tunnels



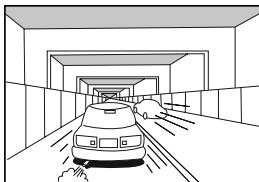
- If the immediate area is enclosed by large objects such as skyscrapers



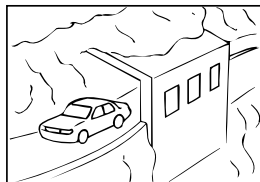
- In underground buildings and indoor parking lots



- In places with a lot of overgrown trees and so on



- Under elevated roads



- Roads at the base of cliffs and caves

NOTE

- Because the GPS satellite is in orbit around the earth, the reception status for the electromagnetic waves changes depending on their position at that point in time, even if your vehicle is in the same place. Also, electromagnetic-waves from satellites near the horizon can be easily influenced by surrounding obstacles.
- At times, satellites under the control of the US Department of Defence will intentionally drop positioning accuracy.

Regarding Errors in Current Position Display

To pinpoint the current position, the unit uses information from GPS satellite electromagnetic waves. If any of these contain errors, the current position may not match the actual position.

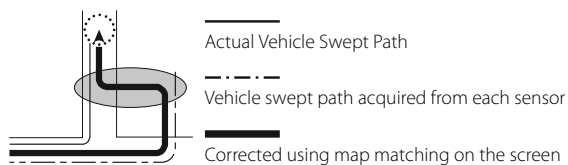
Regarding Vehicle Position Detection Correction Using Map Matching

Map matching is a method of comparing information on the current position acquired by GPS and so on, with the road driven up to that point, and correcting the current position based on the most likely road.

This unit uses information on the current position combined with independent navigation and satellite navigation and matches it to the shape of the road to create the correction.

However, as it cannot avoid the error margins at the current position, the current position may shift away from the actual position even when correcting using map matching.

Also, the vehicle marker may shift if the map data and the shape of the road being driven on differ.

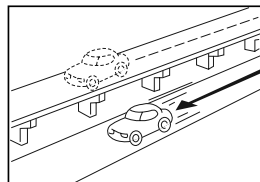


NOTE

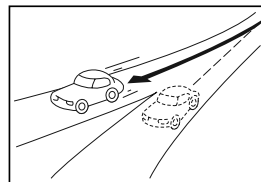
Because it takes a short time for operations to stabilize just after turning on the unit, the vehicle mark may not immediately match the vehicle as it moves. After driving for a while, operations stabilize, and the marker should match the actual driving position.

Regarding the Accuracy of the Current Position and Route Navigation

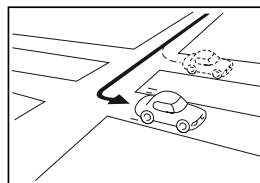
As in the following images, an accurate display of the current position or route navigation may not be provided, however this is not an indication of a malfunction in the unit, but is due to road conditions or driving conditions.



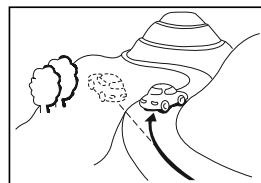
- Shows the current position on roads running in parallel.



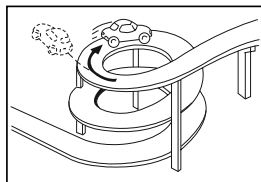
- Shows the current position on the other road when there is a narrow fork in the road.



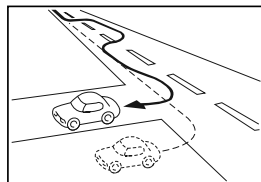
- Shows the current position on the road ahead or behind when turning right or left.



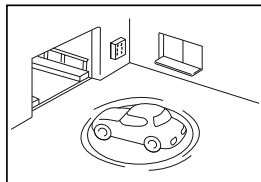
- Shows the current position when traveling up a steep hill.



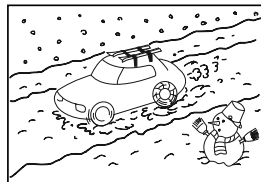
- Shows the current position if the road continues to curve around on itself in the same direction.



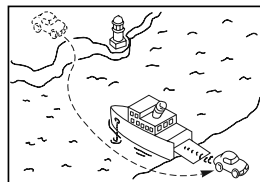
- Shows the current position after a sudden change in lanes.



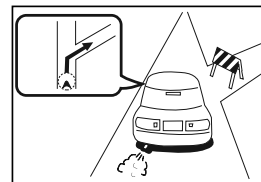
- Shows the current position when the vehicle is on a parking garage turntable and the ACC is off.



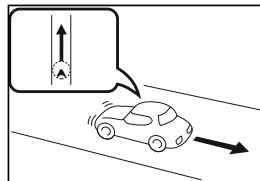
- Shows the current position when driving on snowy roads where the vehicle may slip easily, or when driving with snow chains.



- Shows the current position in the last confirmed position before moving when using another means of transport, such as a ferry, until the GPS can determine the new position.



- It actually navigates through roads that cannot be driven (no entry and so on).



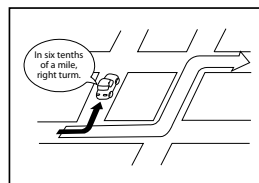
- Shows the current position when reversing.

Regarding Roads and Place Name Data

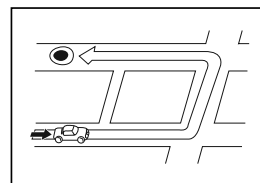
Because road and place names may change after the map data has been created, there may be times when road and place names do not match.

When no information is available in the map data, function such as display of road names, searching for facilities, and route guidance cannot be used.

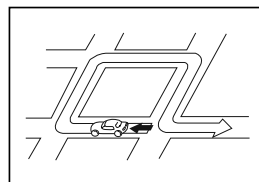
Regarding Route Navigation



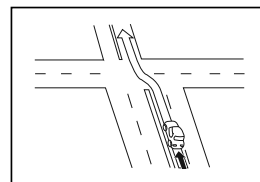
- It may deviate from the route navigation when there is a turn at an intersection etc., and a mistake in the voice navigation.



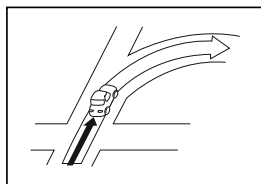
- When searching for the route, it may take the long way around.



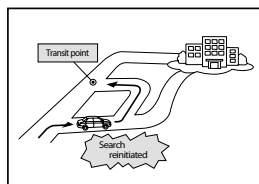
- The route may need you to make a U-turn during navigation.



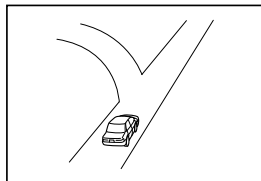
- When driving on a straight road, information may be displayed indicating that you should go straight ahead.(When the intersection shape is not clear and so on.)



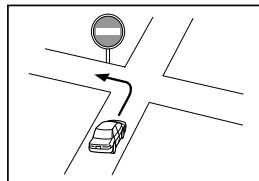
- The navigation may not indicate that the road curves at an intersection.



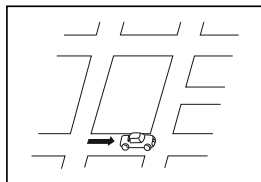
- The navigation may guide you back to a waypoint if you search for the route again after passing the waypoint and are heading to your destination.



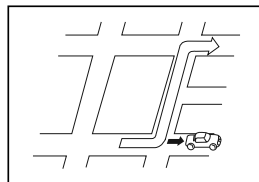
- Many place names may be displayed when navigating a district.



- Always drive by following the actual traffic regulations.



Route
search
complete



- When searching for a route, it may not be displayed quick enough for the next left or right turn.

- Performing a new search while traveling at high speeds may take some time.
 - The route may not change even after performing another search.
 - When isolated locations or roads with no surrounding available information are set as the current position/destination, you may not be able to search for a route.
 - A route may not be displayed when the current position is close to the destination.
 - Even if you select toll roads as a priority, the route may not guide you through a toll road.
- In a similar way, toll roads may be displayed even if you prioritize other roads over toll roads.

(When it is possible to select a toll road or a normal road to create the route, priority is given to the user's toll road preference - use toll roads, or avoid toll roads.)

